The Aliming Journal RAILWAY AND COMMERCIAL GAZETTE.

PORMING A COMPLETE RECORD OF THE PROCEEDINGS OF ALL PUBLIC COMPANIES.

No. 659 .--- VOL. XVIII.

LONDON, SATURDAY, APRIL 8, 1848.

PRICE 6D.

Stannaries of Cornwall—In the Vice-Warben's Court.

HILL v. VIGE OTHERWISE SAINT AGNES CONSOLIDATED MINES

TOTICE IS HEREBY GIVEN, that the SALE of the ENGINES, MACHINERY, MATERIALS, and EFFECTS upon and belonging the above-mentioned MINES, is POSTPONED until the month of APRIL next.

For GRYLLS & HILL, Solicitors, Helston.

Dales Registrar's Office, Truro, March 1, 1848.

Dates Registrar's Office, Truro, March I, 1848.

MERIONETHSHIRE—TO SLATE MERCHANTS,
SLATE QUARRY PROPRIETORS, BUILDERS, and OTHERS.—IMPORTANT
SALE.—TO BE SOLD: BY AUCTION, under an execution, on Tuesday, the 11th of
April next, and fallowing days at the MERIONETHSHIRE SLATE COMPANY'S
SLATE WORKS, at GERWERN, on the turppike-read, between MACHYNLLETH
and DOLCELLY, a LARGE STOCK of SLATES, of various descriptions, comprising
upwards of THIRTY THOUSAND DUCHESSES, and quantities of other size, with above
also, unramafischured. Also, a great quantity of MACHINERY, consisting of eaven awing and four pisming machines, of the latest inventions, with windlasses, water-whole,
and all other implements necessary for carrying on, upon a most improved system, the
rating and making of slates and slate-slabs.
RALLWAY TRUCKS, CHAIN and ROPE CABLES, and from 50 to 100 tons of RAILWAY BAHS.—The sale will commence at Eleven o'clock precisely.

Eof further particulars, apply to Mr. Gilbertson, under-sheriff, Bala.
Sheriff's Office, Rain, March 31, 1849.

SALE OF LEAD ORES AT ALSTON MOOR.—The fol-

Samples of the ores, and conditions of sale, will be forwarded to any parties wishing to purchase, on application to Mr. John Walton, Neut Hall; and TENDERS for the PURCHASE of the above PARCELS of ORE, separately, will be received by Mr. Wilson, at the Lowbyer Inn, Alston, up to Twelve o'clock on Thursday, the 18th day of April, 1848. Neut Hall, Alston, Cumberland, March 29, 1845.

BSOLUTE SALE OF SHARES IN WEST CARADON and GONAMENA MINES.—TO BE SOLD, BY PUBLIC AUCTION, by Mr. IN YEO, pursuant to an order of the High Court of Chancery, made in the suit of another. Bundle," at Mourshead's Royal Hotel, Devonport, on Thursday, the 18th day pril mex, at Two o'clock in the attention precisely, in the lots particularised in the ted catalogue and conditions of sale, SIX (256ths) SHARES of and in all that protein the shown COPER MINE, called WEST CARADON, thusat near Listed, in the county of Cornwall. Also, SIX (256ths) SHARES of and in all that protein the shown COPER MINE, called WEST CARADON, dituate near Listed, in the county of Cornwall. Also, SIX (256ths) SHARES of and in all that protein the caradon district.

For Caradon, for manty years past, has proved one of the most productive and venturines in Ograwall; and has for a long-period paid dividends every two months, vary-from 23 to 27 los, per 256th share.

Lot loss and the share are parallel to those in West Cawadon, and are believed to be ally right; and, from the quantity of ore which is now being raised, it is with conceast proceed, that she will ere long become a very profable mine.

For the convenient of the protein of the convenient of the protein of the convenient of the protein of the convenient of the convenient of the convenient of the caradon.

h in West Caradon.

Intel catalogues and conditions of sale may be obtained at Webb's Hotel, Liskean Mr. John Yeo, of Devonport, the suctioner; or of Mesura Sale and Turner, so, 66, Addermathury, London; and all further information-may be half an applic at the offices of Mr. W. J. Little, solicitor, 53, St. Aubyn-sirect, Devonport.

OOMBE VALE GONSOLS MINE.—Valuable MINING MATERIALS FOR SALE.—TO BE SOLD, BY AUGTION, by Mr. HUXHAM, Saunday, the 18th April next, by One o'clock in the afternoon precisely, at COOMBE CE. MINE, in the parish of LAMERTON, near Tavistock, Deven, all the excellent MINING BY ALTERIALS.

MINING MATERIALS—viz.:
WATER-WHEEL, 35 feet in diameter and 4 feet abreast, oak axle, cast-iron
cylinders and sigments, with bearings, launders, stays, balance-bob, revo cylinders and sigments, with operatings, same as a significant and two sweep-rods, complete.

homs of 3-inch round IRON RODS, with 21 pulleys and stands, shaft-bob

serings.

dift, 18 fathoms long, 10-inch PUMPS; 9-inch working deorpiece and windbore. Alth, 18 fathoms long, 8-inch PUMPS; 7-inch working deorpiece and windbore. Alth, 18 fathoms long, 7-inch PUMPS; 7-inch working deorpiece and windbore. Authors of 2-inch working deorpiece and windbore. Authors of 2-inch working deorpiece and windbore. This will be also be a large with shaft tackle, and 3 pulleys, complete. In rope—and all other necessary materials for the prosecuting of a large mine. The wilder will be sold in one or more total states of the large mine. King's Arms Inn. Launceston, April 5, 1848.

ARK MINING COMPANY.—SALE OF MATERIALS—comprising a PUMPING-ENGINE, 45-inch cylinder, 9 ft, stroke, with two boller boot 20 tons, with steam-chest, 15 feet 10mg, 2-feet 6-inch diameter.
WHME-ENGINE, 18-inch cylinder, 4 feet stroke (double), with two boilers,

WHIMENGINE, 18-inch cylinder, 4 feet stroke (double), with two boilers, of it 7 gas.
CRUSHING MACHINE, complete, one pair of reliers, worked by a water-wheel, set dismeter, 2-feet breast, with a stamp's axie, to work at heads, attached, fathoms 13-inch ditto 17 ditto 4-inch ditto; 24 ditto 5-inch ditto; 18 ditto 6-inch; 24 ditto 5-inch ditto; 17 ditto 4-inch ditto; 19-inch ditto; 18 ditto 6-inch; 28-inch ditto ditto.

12 8-inch ditto ditto; 1. 3-inch ditto ditto.

8-inch working barrel, complete; 1 6-inch ditto ditto; 2 44-inch ditto ditto.

9 ainch working barrel, complete; 1 6-inch ditto ditto; 2 44-inch ditto ditto.

10 fathoms of 6, 9, 10, and 11-inch hadr-rode (wood).

10 pairs best from strappling-plates, about 6 tons.

10 fathoms of 15-inch butcher-rode (trop).

11 pair shears, 46 feet, with alleeves, and brasses, complete.

12 capatin (8 arms), cast-from axides and syetest, with 160 fathoms of 10-inch rope.

13 capatin (8 arms), cast-from axides and syetest, with 160 fathoms of 10-inch rope.

14 capatin (8 arms), cast-from axides and syetest, with 160 fathoms of 10-inch rope.

15 capatin (7 arms), cast-from axides and syetest, with 160 fathoms of 10-inch rope.

16 capatin (7 arms) cast-from axides and syetest, with 160 fathoms of 10-inch rope.

17 capatin (8 arms), cast-from axides and syetest, with 160 fathoms of 10-inch rope.

18 capatin (8 arms), cast-from axides and syetest, with 160 fathoms of 10-inch rope.

18 capatin (8 arms), cast-from axides and syetest, with 160 fathoms of 10-inch rope.

18 capatin (8 arms), cast-from axides and syetest, with 160 fathoms of 10-inch rope.

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18 capatin (8 arms), cast-from axides a

ON SALE, at the NORTH UNITED MINES, near PENZANCE, a STEAM PUMPING-ENGINE, nearly new—30-inch cylinder, 9-fact tirstes, with holter, 34 tons—built on the most approved principle, and is, in every repect, a first-clease engine—price 2530. Also, 130-fathoran sew 9-inch CAPSTAN ROPE; and, at the PROVIDENCE MINES, near ST. IVES, a STEAM PUMPING-ENGINE, 10-duck; cylinder, 6-feet stroke, with bolter, complete—price 2330. This engine is called of doing great duty. The above are offered at low arices, with a view of closical and complete price 2330. This engine is called of doing the complete price 2330. This engine is called of doing great duty. The above are offered at low arices, with a view of closical price 2330.

VALUABLE TIN SETT FOR SALE,—TO BE SOLD,
BY PRIVATE CONTRACT, the SETT of WEST WHEAL BEAM MINE, with
he MACHINERY, WHEELS, PUMPS, ENGINES, &c., in the most perfect and comlete date for the effectual working of the mine.

WEST WHEAL BEAM is situated in the centre of a rich mining district, near ASHURTON, DEVON, and is to be sold for a term of 91 years, subject to the dues of 1-bits
and a lord's rent. The sett extends over about 1000 Sthoms in length, on the course of
he lodes, and 700 fathoms in width. Several tin and copper lodes run through the settions of which here been consend, out from those large returns have been made.

two of which have been opened, and from those large returns have been made, he mine being supplied with all requisite machinery and erections, and possessin le water-power, can be worked to the greatest stoyantage with little outlay polication for further information may be made to James Woodley, Eq., the tor, at the office of Mr. George Caunter, solicitor, Ashburton; or to Mr. Rielevyll, London Inn, Ashburton.

ALUABLE SEA-SALE COLLIERIES TO BE LET. TO BE LET, and entered upon on the let of July next, the valuable currenting COLLERIES of EVENWOOD and NORWOOD, in the county of Durham, escapellicities are situated upon the line of the Stockton and Darlington Railway, by the scale are conveyed to the shipping ports of Stockton and Middlesborough; and by means of this, and the York and Newcastle, and Leeds and Thirsk Railways, the larve access to the impertant land-sale irade of Northallerton, Thirsk Railways, the larve access to the impertant land-sale irade of Northallerton, Thirsk Railways, the larve access to the impertant land-sale irade of Northallerton, Thirsk Railways, the larve access to the impertant land-sale irade of Northallerton, Thirsk Railways, the larve and mining districts, and other towns in Yorkshire, and for shipment on the Ouse; by means of the proposed Northern Counties Union Railway, with the important all the County of the western parts of Yorkshire and Westernovaland, and the Order of Sales. The sitt are as a moderate doubt from the surface, and can't the order of Sales. The sitt are as a moderate doubt from the surface, and

QUARRY and WHEAL TRESCOLD MINE; SPARE MINE and other MATE-RIALS, consisting of a 14 or 16-feed water wheel, 30-inch eyilinder pumping-engine, a crab winch, geat chains, 10-inch lift of pumps, smith's bellows and tools, mine picks, jumpers, borers, a horse and cart, barrows, the keeves, old scrap iron, botts, straps, &c., indeers, launders, stamps, a whim and roye, sallway iron and andles, or any odd lots of ladders, launders, stamps, a whim and roye, sallway iron and andles, or any odd lots of ANCHORS, of not less than half atom weight each, with or withrout chain cables. Apply by letter, stating full particulars, relative to price and distance from Bodmin, to Mr. John Webb, engineer, Lanivet, near Bodmin; or Mr. C. S. Richardson, 5, White-friars-street, London. WANTED IMMEDIATELY, for the COOMBE VALLEY QUARRY and WHEAL TRESCOLE MINE, SPARE MINE and other MATE.

UNDER BRITISH AND FOREIGN LETTERS PATENT.

TO CAPITALISTS—FIRST CLASS INVESTMENT.—
SHARES TO BE DISPOSED OF, in valuable patents, recently scaled, and in
works connected therewith. The produce of soft scene, chalk, and sand quarries, is infursted, and rendered impervious to wet, frost, vermin, &c.: also, plaster of Parks, cyrton-roof sheeting, &c., for all building and other purposes.

Further particulars, and various specimens to be seen, at Messrs. Hutchison, Wilford
and Co., the patentees, East Temple Chambers, 2, Whitefriars-street, Fleet-st., London.

RHOS WIDOL MINE—CARNARTON MINE.—TO BE
SOLD, in one or more lots, ONE HUNDRED and ONE paid-up SHARES, of
£10 each, in a company, established for worting the BHOS WIDOL and BACHERDDON LEAD MINES, situate in the parish of PENEGOES, in the county of Montgomery,
Also, ONE THOUSAND SHARES in the CARNARTON COPPER and TIN MINES,
whereon a sum of £2 per share has been paid. The latter mine is held under a lease,
granted in January, 1649, by Sir R. R. Vytyss, Bart., of part of the tenement of Carmarklen, in the parish of Illogan, in the county of Cornwall, for a term of 21 years. A
company, on the Cost-book System, has been bromed far working this sett, and the gentieman whose shares are now for sale was interested thereis to the extent of one-sixth.
For further particulars, apply to Mears. Thion, Squance, Clarke, and Morice, solicity
tors, 29, Coleman-street, London.

TO BE SOLD, OR LET, a valuable COAL MINE, in the township of GREAT HARWOOD, in the county of LANCASTER. The mine has been recently proved, and found to be 3 feet inches in thektness, and of excellent quality; it is commonly called, or known, by the name of the UPPER MOUNTAIN MINE, and extends over about 1900 statute serves, which will be divided into suitable lots.

The property is situated between the towns, of Blackburn and Clitheroe, and is intersected by a branch of the East Lancishire Raiway.

A section of the borings may be seen, by applying to Mr. Boosie, Rufford-hall, Ormskirk; or to Mr. Whittie, coal viewer, Chambek Richard, Chorley—to either of whom proposals may be sent.

Lirk; or to Mr. Whittle, coal Yewer, Charles Elenary, Chorles to element of whom proposals may be sent.

EXTENSIVE IROS. WORKS.—FOR SALE, BY PRIVATE BARGAIN, the BLAS. IRON-WORKS, belonging to the Ayrshire Iron Company, situated in the parish of Dalry, and county of Ayr.

These works, which have been recently erected at an immense cost, consist of two blowing-engines, five blast-furnaces, workment's heuses, steam-engines for working the minerals, together with utensils at the pits, farnaces, &c., all in working order, and capable of producing appears of 35,000 tone of pig-first per annum.

One of the blowing capitoes, high-pressure, settinated at 90-horse power, was erected in 1841; the other, a condensing angine, was erected in 1847, and is estimated at 900-horse power, the latter being capable of blowing sive frameses and both fitted up in the most substantial manner, and at present in the best working condition.

The furnaces have been erected with the gristest care, and are fitted with sir-heating apparatus of the most approved construction. The make of each furnace has generally averaged upwards of 150 tone of iron per week, and some of them hive produced 180.

There are, benicles the manager's house and store buildings, 187 workmen's houses, in abstitutely seeks, attached to the furnaces and pits, and there are 90 partly built, which could be finished at 8 mail additional outles. There are also a new foundry, wright shop, fire-brick work, smithy, &c.

The MINERAL FIELDS, consist of COAL, IRONSTONE, LIMESTONE, and FIEL-CLAY, bold in lease, by the company, as mosteret fixed reins and Royalties, all altinated within casy distances of the furnaces, and he the most part have the advantage of railway communication.

The COAL-FIELDS consist of several hundred seres, of which only a small portion has

communication.

The COAL-FIELDS consist of several hundred acres, of which only a small portion con wrought. Several pits, fitted with good edicines and machinery, are sunk to onl, and partly in operation.

The HEDNSTORE consists of the well-known black-band, yielding about 3000 ton alcined atome per acre; and it has been estimated that there are 300 acres or ther fill to work-besides which, there is a large start of clay-band ironstone, hitherto il rrought, but capable of yielding a large output. There are 15 pits, with excellent site names—among offtem in present operation; and others ready to resume working.

The LIMESTONE QUARRY is worked by open cast, and is connected with the wory railway.

The LishESTONE QUARRY is worked by spea cast, and is connected with the worke by rallway.

The FIRECLAY is abundant, of excellent quality, and cheaply produced,
The Glasgow, Paisley, Kilmarnock, and Ayr Rallway (extending to Carliale), passes close to, and has connection with, the furnaces—by means of which, and others in connection with it, the produce can be conveyed to the city and port of Glasgow (22 miles of), and to the scaparia on the Ayrshire coast, each within a few miles of the works.

There is a large stock of calcined ironatone, coal, and limestone on the ground, so that the works may be put into immediate operation, and, under judicious meangement, the meanufacture of pig-Iron may be carried on to the greatest advantage. The concern with be found to its well worth the attention of persus having the requisite capital, and infords an opportunity of entering into the business addom to be met with.

MALLEABLE IRON-WORKS.—Considerable progress has been made in the erection of extensive malicable works, which, when completed, will be capable of turning out 300 tons of bar-from weekly. The most of the secondary machinery has been prepared by the contractors; and a portion of the work could be brought into operation in a few mouths to produce the half of the above estimate. This work is nearly adjoining the Pig Iron-works, and connected by railway, and will be cold either together therowish or separately.

parately, ans of the property and mineral workings le for inspection at the Ayrahire Iron Co., 1, 113, St. Vincent-street, Glasgow, where, on application to Mr. Brown, every nearly information will be afforded, and orders given for inspection of the works.

ALUABLE PUMPING AND WINDING ENGINES FOR SALE.—TO BE SOLD, BY PRIVATE CONTRACT, at WHEAL VOR MINE; the parish of BERGE, CORNWALL.—
180-inch DRAUGHT ENGINE, 19-foot stroke in cylinder, and 8 feet in shaft, main beam and caps, top nozzle, spring pisson and rod—all now this year; with four boilers, of 12 tons each, in excellent repair.

180-inch DITTO, 19 feet stroke in cylinder, 75 foot in shaft, cylinder, piston, boitom and cover, nearly new, with two boilers, of 12 tons each, all stelly thoroughly repairs.

149-inch DITTO, 9 feet stroke in cylinder, and 7 feet in shaft, without boilers, of 10 tons each, all lately thoroughly repairs.

149-inch DITTO, 9 feet stroke in cylinder, and 7 feet in shaft, without boilers, of 10 tons each, all in complete repair—the boilers and some other parts nearly new. I study that the stroke with one boiler, of 5 tons, and horizontal cage, complete. Several TONS of straight and turned STEAM-PIFES.

13-bead CAST-IRON STAMPS ANLES, with bearings, each frames, &c., complete. A numenous number of PUMPS, matching-pieces and windbores, 17 to 17-inch bore, with working barries, doorpieces, H-piece, cases, with staffing-barce and glands to match, from 11 to 19 inches bors, and plunger-poles, from 12 to 19 diameter. Paggetted of and cap plates, 6, 7; and 8 inches wide, staples and glands, eyerunners, caps, and less troughs and guigeous for balance and other bobs.

Dated Nov. 29, 1847.

N. — The above are of easy transit to Hayle whark, and from theoco on ship-board, equited.

FOURDRINIER'S PATENT SAFETY APPARATUS, for The PREVENTING ACCIDENTS IN MINES AND OTHER PLACES, WHEN THE ROPE OR CHAIN BREAKS.

By the ADOPTION of this INVENTION the LIVES of the WORKING MINERS may be PRESERVED, and the PROPERTY of the MINE OWNERS PROTECTED from the serious consequences of either of the following sections: Vision 1988.

1. From the men, or the load, being precipitated to the bottom of the shaft when the rope or chain breaks: in this case the apparatus is self-acting.

2. From either the men, or load, being drawn over the pulley: in this case, also, the apparatus is self-acting.

3. From the fearful consequences to mon'er load of a "whirl," or run: in this case the result is equally certain.

A COAL PIT, with the SAFETY APPARATUS ATTACHED to the CAGE, is dutly at WORK near BURSLEM, in the STAFFORDSHIRE POTTERIES.

To inspect the apparatus, or to obtain any further information, application may be made to Mr. Edward N. Fourdrinier (the pateotee), Cheddleton, near Leek, Stanfordabire; or to Mr. Joseph Fourdrinier, 489, Athinton-states, Camdon Town, London—who are prepared to GRANT LICENSES for the USE of the TATENT.

THE PATENT OFFICE AND DESIGNS REGISTRY, No. 210, STR'ANL, LONDON.

INVENTORS will receive (graits), on application, the OFFICIAL CIRCULAR OF NYORMATION, detailing the eligible coarse for PROTECTION of INVENTIONS and DESIGNS, with Reduced Scale of Eegs, b. 2.

Messus, F. W. CAMPIN and CO. safet shaper services, and the benefit of many years' superience, in SECURING PATENTS and EEGSTRATIONS OF DESIGNS, with dure regard to VALIDITY, economy, and dispatch—namined by actentific men of reputs.

Also, in MECHANICAL and ENGINEERING DRAWINGS, whether connected with Patenta, Railways, or otherwise, by a shall of first-rate draftmen.

Application personally, or by letter, to F. W. Campin and Go., No. 210, Strand (cor not of the street).

TO IRONMASTERS.—WANTED, a SITUATION, as MANAGER of an IRON WORK, by a GENTLEMAN, who has devoted the whole of his time to the business, and thoroughly understands the practical part of the manufacture of iron, in all its branches, together with the mining departments. Unexceptionable references will be given, on application (by letter, pre-paid) to "X. Z. A.,", carp of the Editor of the Mining Journal, 26, Fleet-street, London.

CASCADE MINE.—TWENTY SHARES in this valuable MINE TO BE SOLD, for TWELVE SHILLINGS per SHARE.—Apply at fi Soyal British and Foreign Mining Offices, 140, Strand, London.

TREWALLACK MINE.—TO BE SOLD, BY PRIVATE CONTRACT, an excellent ENGINE, for pumping or drawing, about inder, in good condition, with a boiler of 10 tons.—For particulars, applies made to Capt. John Lean, Camborne; or to Mr. H. Ellery, Truro.
N.B.—There are also several tons of pitwork.—viz : 18 pumps, 13-inch; 2 weeks, 13-inch, nearly new; 2 doorpleces, and 2 windbores.

FOR SALE, BY PRIVATE CONTRACT, a NEARLY NEW ENGINE, on the combined principle of Mesars. Harvey and Co., from the ogs of Mr. W. West, with 60 and 35-inch cylinders—equal to 141-horse power. Apply to Mr. P. N. Johnson, 79, Hatton-garden, London.

BLAENGWAWR STEAM COAL, CARDIFF—placed on the List of Coals supplied, by Contract, to the Government.—ORDERS for the BLAENGWAWR STEAM COAL RECEIVED by Mr. W. F. STANTON, No. 9, LOVELANE, EASTCHEAP: or by Mr. George Sully, agent, 1, Bute-street, Cardiff, Glamper, gandhire, South Wales.

AND DRAINAGE.—Mr. W. HUGHES, Civil Engineer, begs to announce, that he undertakes the INSPECTION of ESTATES to be DRAINE, the SETTING OUT of DRAINS, the RECLAMATION of LAND, and the GENERAL SUPERINTENDENCE of WORK, at a FIXED CHARGE PER ACRE, according to the extent of land.—Full particulars may be had on application to Mr. Y. Hughes, C.E., at the office of the Mining Journal, 26, Fleet-street, London.

MINING OFFICES—ESTABLISHED Five YEARS.—
THOMAS P. THOMAS begs to inform his friends and the public, that he has
REMOYED from No. 18, Threadneedle-street, to No. 3, GEORGE-YARD, LOMBARDSTREET, LONDON (late Messar, Philips and Tiplady's).

N.B.—Dealer in English and Foreign Funds, Mining, Railway, Gas, and other attack

WILLIAM W. TAYLOR & CO., MINERAL SURVEYORS, No. 2, ROYAL EXCHANGE BUILDINGS, LONDON.

MR. R. TREDINNICK, THREE KING'S COURT,

LOMBARD-STREET, LONDON,
Continues to DEAL in every description of MINING, RAILWAY, BANKING, INBURANCE, CANAL, and OTHER SHARES. Statistical information afforded gratuitous
upon personal application.—MONEY ADVANCED upon the above securities.

MR. JAMES STRIDE, PARLIAMENTARY AGENT begs to announce, that he has COMMENCED BUSINESS as MINING, SHARE ESTATE, and GENERAL AGENT He has ON SALE. SHARES in the best DIVIDEND PAYING and other MINES. The earliest and most authentic information, and the rib benefit of the market value, afforded to huyers and sellers of mining and other properly—MINES INSPECTED AND REPORTED ON.—Londony 36, Charing-cross.

TAMES LANE, MINING SHARE DEALER

WILSON & FRASER, 2, WELLINGTON - BUILDINGS, LIVERPOOL, and 13, EXCHANGE-PLACE, GLASGOW, have always ON SALE PIG-HON, BAR-IRON, RAILWAY CHAIRS, and RAILWAY BARS,

DRITISH-MINING OFFICES—NOTICE.—The BUSINES RITISH MINING OFFICES—ROLLOR.

of these OFFICES will henceforth RE CONDUCTED at No. 25, FLEET-STREET,
DN, and No. 4, STAMP-OFFICE BUILDINGS, MANCHESTER, to either of which
communications are requested to be addressed. The correspondence and reports
in accounts, of the respective companies may be inspected at all times, on ampliWILLIAM SHEARMAN.

MONEY.—MESSRS. KILLICK & CO. (late Winstander, KILLICE, & CO., SHAREBROKERS, inform their friends and the public, they make HMEDIATE ADVANCES, to any amount, on the deposit of English and Foreign Railway Shares, Serip, and Debentures, upon exceedingly advantageous terms: they also BUY and SELL every description of STOCK and MINING SHARES, at much less commission than usually charged.

6, Bank Chambers, opposite the Bank of England.

A USTRALIAN MINING COMPANY, 1, Adelaide-place, London-bridge, March 27, 1848.—The board of directors hereby give Notice, that a SPECIAL GENERAL MEETING of the shareholders will be HELD at the company's offices, No. 1, Adelaide-place, London-bridge, on Monday, the 17th of April next, at One o'clock precisely, for the purpose of submitting to them Capt. Phillips's first reports on the state of the mining operations of the company.

J. A. JOSEPH, Secretary, J.

DARTMOOR CONSOLS TIN MINING COMPANY.—
A SECOND SPECIAL GENERAL MEETING will be HELD at the Giorge an Vulture Tavern, George-yard, Lombard-atriest, in the city of London, on Monday, the Intring of the Conformal Conforming, the resolution of a meeting, held the 3d day of April inat., at International Conforming, the resolution of a meeting, held the 3d day of April inat., at International Conforming, the resolution of a meeting, held the 3d day of April inat., at International Conforming Conf

INZIGTHAL MINING ASSOCIATION.—The FIRST GENERAL ANNUAL MEETING of this association will be HELD at their officer. Adelaide-place, London-bridge, on the 20th April, at One o'clock precisely. March 22, 1848. GEO. COPPLAND CAPPER, Secretary.

T. JOHN DEL REY MINING COMPANY.—MEETING
POSTPONED—Notice is hereby given, that the SPECIAL GENERAL MEETING
of the shareholders, advertised to take place at the company's office, on Monday next,
the 10th inst., is POSTPONED to Priday, the 18th inst., whou the same will be RELD
at the London Tavern, Behoppagate-street, at Two ofclock precisely.

8, Tokenhouse-yard, April 7, 1848.

For the Secretary, W. ROUTE

RELEIGH CONSOLIDATED MINING COMPANY.

A DIVIDEND of FIVE SHILLINGS per share has been this day declared, PAY
BLE on Monday, the 10th of April linst., and on overy succeeding blondsy, between the
ours of Eleven and Three o'clock.—The coupons, with a list thereof, according to a forr
hich may be obtained at the office, must be left, for "stamination," two clear days pr
olous to payment.

WM. NICHOLSON, Secretary ous to payment. 57, Old Broad-street, April 3, 1848.

CALLINGTON MINES COMPANY.—At the Fifth Annual General Meeting of shareholders in this company, held this day, it was Resolved,—That the report and accounts now read, and submitted be adopted by this meeting, and entered in the cost and transfer book of the company.—Carried unanimously, Resolved,—That John Garnet Tyrie, Esq., the director retiring from the direction of the company by rotation, and who offers himself for re-election, be re-elected a director of this company.—Carried unanimously, Resolved,—That the auditors, Mesers, Hammend and Leary, who retire from the coffee of auditors, and who offer themselves the control of the company.—Carried unanimously. ly.—Carried mantimously.

That the auditors, Mesers, Hammend and Leary, who retire from both and the mantion of the themselves for re-election, be re-elected the auditors.

this company for the present year.—Carried unanimously.

Resolved,—That the shareholders in this company are much indebted to by, the skillful administration of the directors; and that a special vote of and heavely expressed to them, for their profiler and successful manageme pany's property.—Carried unanimously,

Resolved,—That a vote of thanks be presented by this meeting to the chain fail; lucid, and satisfactory exposition of the company's progress and pried unanimously,—44, Finsbury-square, London; March 31, 1848.

A SSAYING AND ANALYSIS — Mr. MITCHELL be inform the MANAGERS, &c., of MINES, SMELTING-WORKS, and MAN TORRES, that he still continues to CONDUCT ASSAYS and ANALYSES of all DUCTS, metallurgical and manufacturing, at his LABORATORIT, and ANALYSES of all DUCTS, metallurgical and manufacturing, at his LABORATORIT, by the haddress communications are to be forwarded.—Instruction in all brans manaying and analysis as usual.

DATENT GALVANISED IRON AND WIRE ROPE WORK MILLWALL, POPLAR.

MILLWALL, POPLAR.

ANDREW SHITH bers to inform the Mining, Railway, and Shippin obtained a PATENT for an INPROVED METHOD of GALVAN. Ing a much superior article at a considerable saving in one let it ranking wire rope, adding only \$10 per ton instead of \$20 per ton.

The Company of the Parking of the Parking Shipping Shipping

PART. FIBHERIES.—A company is organising to operate on the coast of Comana, under the lee of the island of Margarita, in about 10 dag, north latitude. The pearl-beds are pronounced invaluable by Humboldt, the celebrated traveller; but, through the disturbed condition of the Scath American States, and their separation from Old Spain, they have been undisturbed for about 200 years. The mother country, in 1567, derived a revenue from them of 800,000 dellara; and one of the finest and most valuable pearls ever known was transferred from the hands of a poor naked diver to the crown of Philip II. In the case of the present expedition, it is to be economically and scientifically conducted; and the submarine armour will be used to such advantage, as to give the wearer every possible facility in his operations, and positive certainty to his attempts.

How To Make A Man a Bankhuff.—Send him to one of the universities; sersuade him to take a theatre, or to start a newspaper; transfer all your railway shares to him; make him a provisional committeeman; or encourage him o invent something useful.—Haiffax Guardian.

A single piece of china, before it is finished, employs 40 hands, from the nan who pounds the flint to the designer and colourer.

A MOST AWFUL WOLKING CURED BY HOLLOWAY'S OINTMENT AND PILLS.—leogre MOTIFS, a mechanic, of Newport, was for month readered totally unable to work.

A MOST AWFUL WOUND CURED BY HOLLOWAY'S UNTRIENT AND FILLS.—
George Morris, a mechanic, of Newport, was for months rendered totally unable to work,
or even move about the house, from the effects of a dreadful abscess which had formed in
is thigh, and which had been repeatedly lanced under the advice of various surgeons.
Pittmately, he was admitted into the hospital, from whence, after the best medical skill
sad been tried, he was dismissed as incurable; yet, to the astonishment of all, this dreadsally had wound was soundly healed by the use of Holloway's oliment and pills, a suply of which was kindly presented to him by the minister of the parish. Sold by all
truggists; and at Professor Helloway's Establishment, 244, Strand, London.

On the concealed cause that preys on the health and shortens the duration of human life. The concealed cause that preys on the health and shortens the duration of human life. The concealed cause that preys on the health and shortens the duration of human life. The concealed cause of the process of the passions. The process of the passions of the Married State—the disqualifying impediments and consequent disappointment of marrial anticipations—the physiology, use, and solves of the passions—injurious results of precedious exertions and excesses—the concealed cause of sexual deblifty, and the infurnities of the reproductive organs—with advice to those suffering from excessive indulgence in a secret vice, or from infection; and remarks on general deblifty, and the infurnities of the reproducted with coloured engravings and cases. By CHARLES LUCAS & Co., Consulting Surgeons, 60, Newman-street, Oxford-street, London, Member of the London College of Medicine, &c.

Chap. 1. Bodily and mental exhaustion induced by inordinate indulgence of the passions, illustrated with coloured engravings.—Chap. 2. Baneful results of a secret vice on the mind and body, evidenced in the production of consumption, epilepsy, and other convolution diseases. Insanity, idiotry, moping meliancholy, indigestion, stricture, impotence, and sterility, with observations on the duties of married life, and on the unhappiness caused by untruiting unions.—Chap. 3. Deblify and exhaustion of the principal vital functions, the nature and treatment of impotence and sterility, and the imperfect performance of the marrial act, caused by the practice of self-indulgence.—Chaps. 4. Sphillis, and its attendant maladies and treatment. Chaps. 4. Sphillis, and its attendant maladies and treatment. Chapses, and concelluding observations, plates, &c.

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ontaining the fee of £1 for advice, &c.: 60, Newman-street, Oxford-street, London

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1st published, the thirty-fifth thousand, an improved edition, revised and corrected, 120 pages, price 2s., in a scaled envelope, or forwarded, post-paid, by the Authors, to any address, secure from ebservation, for 2s. 6d., in postage stamps, illustrated with numerous anatomical coloured engravings, &c.

MANHOOD: the CAUSES of its PREMATURE DECLINE, with plain directions for its perfect restoration. A Medical Essay on those diseases of the Generative Organs, emanating from solitary and sedentary habits, indeximinate excesses, the effects of climate, and infection, &c., addressed to the sufferer in youth, manhood, and old age; with practical remarks on marriage, the treatment and cure of nervous and mental debility, impotency, apphilis, and other urine, genital disease, by which even the most shattered constitution may be restored, and reach the full period of like allotted to man. The whole illustrated with numerous anatomical engravings on steel, in colour, explaining the various functions, secretions, and structures of the reproductive organs in health and disease; with instructions for private correspondence, cases, &c.—By J. L. CURTIS & CO., consulting surgeons, 7, Frith-street, Soho-sq., London.

We feel no hestiation in saying, that there is no member of society by whom the book will not be found useful—whether such person hold the relation of a parent, preceptor, or a clergyman.—Sus, Evening Paper.

Curtis, On Manhood. (Strange).—Having for many years been the standard work on these diseases, its originality is apparent, and its perusal breathes consolation and hope to the mind of the patient.—Messa and Military florestle.

Membood: a medical work.—To the gay and thoughtless we trust this little work will serve as a beacon to warn them of the danger attendant upon the too rash induspence of their passions—whilst to some it may serve as a monitor in the hour of tempitation, and to the efficiend as a surg guide to health.—Carpoide.

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ated by 26 Anatomical Coloured Engravings on Steel, On Physical Disqualification rative Incapacity, and Impediments to Marriage. New Edition, enlarged to 196—Just published, price 2s. 6d., or by post, direct from the establishment, 3s. 6d

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Part first First rests of the antony and physiology of the reproductive organs and is illustrated by six coloured engravings.—Part first Strange, 21, Paternoster of the consequences resulting from excessive indulgence, and their lamentable effects on the system, producent mental and bodily weakness, nervous excitement, and generative incapacity; it is illustrated by three explanatory engravings.—Part first first of the disease resulting from infection, either in the primary or secondary form, and contains explicit directions for their treatment. The consequences of neglect, and of the abuse, of mercury are also clearly pointed out. This section is illustrated by 17 coloured engravings.—Part ever evolves from the system.—Part first is devoted to the consideration of marriage and its duties. The causes of unproductive unions are also consideration of marriage and its duties. The causes of unproductive unions are also consideration of marriage and its duties. The causes of unproductive unions are also consideration of marriage and its duties. The causes of unproductive unions are also consideration of marriage and its duties. The causes of unproductive unions are also considered, and the whole subject critically and philosophically inquired into.

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STORY of Medicine, Marjeculated Mamber of the University of Edinbargh, Licentiate of profisecution. Habits of Medicine Marjeculated Mamber of the University of Edinbargh, Licentiate of profisecution.

Apothecense Hall, London, Henoraty Member of the London Hospital Medical Society, dec.

The author of this singular and talented work is a legally qualified medical man, who as a widently had considerable experience in the treatment of the various disorders, arising from the follies and fratities of early indiscretion. The engravings are an invaluable admitted to the control of the various disorders, arising from the follies and fratities of early indiscretion. The engravings are an invaluable admitted to the control of the various areas and the little with the desired of the various may be abligated to the various and the abligation of the various and the abligation of the various of the superior of the most confidential friend. —Eva.

Unquestionally this is a most extraordinary and which work, and ought to be expected to the control of the control of the superior of the control of the contro

Transactions of Scientific Bodies.

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MEETINGS DURING THE ENSUING WHEE.		
THIS DAY Royal Botanie-Inner Circle, Regent's park	31	20
MONDAY	84	23
Medical-Bolt-court, Fleet-street		
TUESDAY Medical and Chirungical-53, Berners-street		
Civil Engineers—25, Great George-street	8	P.M
Zoological-11, Hanover-square		2.8
Syro-Egyptian-Tl, Mortimer-street, Cavendish-square		
WEDSENDAY Graphic-Thatched-house Tavern		
Pharmaceutical-17, Bloomsbury-square	9	PA
Ethnological-17, Saville-row	8	P.M
Literary Fund-73, Great Russell-street		
THURSDAY Royal - Somerset-house		
Antiquaries Somerset-house		
Royal Society of Literature—4, St. Martin's-place		
Medico-Botanical—32, Sackville-street	8	P.M
FRIDAY Astronomical Somerset-house	8	P.M
Royal Institution—Albemarle-street	54	Pil
Philological—12, St. James's-square		
SATURDAY Asiatic—14, Grafton-street		
Westminster Medical 17. Saville-row	8	P.M

On Mining, & the Practical Applications of Scological Science.

PROFESSOR ANSTED'S LECTURES AT KING'S COLLEGE, PROFESSOR ANSTED'S LECTURES AT KING'S COLLEGE,
LECTURE XIX.—MINING FOR METALS CONTINUED—DISCOVERY OF VEIN

FURTHER CONSIDERED-VALUE OF OLD MINING PROPERTY-CIRCUM-STANCES UNDER WHICH IT 18 VALUABLE OR OTHERWISE - THE OLD MINERS-THEIR MEANS AND DEGREE OF KNOWLEDGE, &c.

Professor Ansted said, that in his last lecture he had directed attention to the various means which presented themselves for the discovery of mineral veins—not only in countries where it was known that they existed, but in others which were untried. These means involved an idea of the circumstances under which they existed, the character of the ground in which they were likely to appear, the nature of the associated minerals, the veinstone, or gangue, the walls of the veins, and the materials associated with the metalligangue, the walls of the veins, and the materials associated with the metalliferous ores, distinct from the vein itself. Among these indications, there was, however, one which he had omitted to mention, and that was in reference to gossan, which usually consisted, to a considerable extent, of exide of iron, and formed the decomposed outer surface of the ore, or liming substance in the vein. This, in a clay-slate country, was an indication of considerable importance, though such a result did not invariably follow. He wished to remind them, that gossan was, after all, a local phenomenon, and was not found in many parts of the world. Gossan in a granite as well as in a slate country was often an indication of lodes.

of the world. Gossan in a granite as well as in a slate country was often an indication of lodes.

He had also spoken of the recovery of veins by calculation, or actual search, when twitched, or nipped in, or when shifted by faults, or heaved, as it was called in Cornwall—the veins being moved by something in the nature of a fault, and their continuation being concealed by intervening substances. He came next to the working of old mines, and the recovery of mining property which had been long neglected. In all mining districts, there were vast known. These were very often put forward as promising investments for money, and as likely to yield great results. The parties washing to dispose of such property, naturally referred to the history (if it had one) of the mine, and of the traditions respecting it, so as to make it appear a promising speculation. Of course, it was very important in such cases to know what the real probabilities were, in order to give a sound opinion of the value of such neglected mines, and whether they might or might not be worth re-opening.

Now, it was to be remarked, that of these mines there were, no doubt, many which were fairly worked out. These cases might seem simple enough, but they were not so in reality, as it was often quite impossible to tell whether a certain mine was thus exhausted or not. It was not likely, however, that persons would risk their money for the purpose of making the necessary researches, without some very good reason, as the expense of clearing up old mines was very considerable. Very little accurate information could, however, be obtained without this being done; but still much might be determined with regard to probabilities. In looking at the value of property consisting of old mines, the first thing to consider was the probable reason for which they had been stopped. If, from the appearances in the neighbourhood, the mine was not a mere attempt in search of mineral produce which, on being unsuccessful, had been abandoned, but a really productive work to s

mnder such circumstances, work which was of a speculative character, was but little likely to be continued. Generally speaking, when war began, mining reased; and many promising mines had thus been suddenly stopped. Of course it might happen that, after many years of social anarchy, these mines would be completely forgotten. On the continent, it was frequently said, in apeaking of old mines, that they had been stopped by the French Revolution. The wars resulting from that event might certainly have had that effect, particularly in parts of Germany and of Spain; but it was always necessary to inquire what other causes had prevented their early re-establishment.

Plague and famine had frequently stopped mining for a long time, though they were not things which would strike one prime facis as likely to have that effect; sometimes, again, where the mining was profitable only in a moderate degree, it might be stopped by a sudden change in the direction of industry, by which labour would be turned into other channels. Sometimes mining would be checked by the removal or imposition of protective duties, or by other political measures.

Inquire what other causes had grevented their early re-stabilishment.

Plague and famine had frequently stopped mining for a long time, though they were not things which would atrige one prisss facile as likely to have that they were been their their and the priss facile as likely to have the degree in the control of the priss o and into a first thing to consider was the probable means for which they are not some statempt in search of mineral products which, no bring unserved was set as more statempt in search of mineral products which, no bring unserved with the search of the statement of the search of th

In as on roma burning to burning the hydre of east The bining along water substante more mon to also, is diquid, that it gas, the 65. O nating three of one of other othe

equal quantities. There was, therefore, a large amount of carbon in this gas, which the talented lecturer proceeded to prove in a striking manner, by lighting an admixture of one volume of oleflant gas with two of chlorine, which produced hydrochloric acid, and deposited all the carbon contained in the gas in a cylinder, in the form of a dense amoke, which rendered the glass perfectly poque [To be continued in next week's Mining Journal.]

INSTITUTION OF CIVIL ENGINEERS.

INSTITUTION OF CIVIL ENGINEERS.

APRIL 4.—JOSHUA FIELD, Esq. (President), in the chair.

The second part of Mr. Jackson's paper, "On the Engineering of the Rhine and the Moselle," was read. It consisted to considerable extent of a translation of an account of the spurs, groynes, and other works on the Moselle, for restricting the dimensions of the bod of that river, and increasing the depth of water, so as to enable the navigation to be carried on, which would otherwise be averted in the low-water seasons. It was shown, that to effect this, numerous arms of the river had been dammed across, and allowed to all tup: the course had been ratinguished to the control of the later than the control of the later than the control of facines, &c. Division banks had been established for the inflowing rivulets, so as to carry the gravel to a greater distance down the stream. Books also were removed by powder, and general improvements to such an extent were executed, that the river was comparatively under good control.

The account of the Rhine was then resumed, and, after detailing the various plans tha had been proposed for ameliorating its course, giving numerous interesting and valuable tables of Bianken's and Boistra's experiments as to the tides, the inclination of the bed of the various rivers, the duration of the ebb and flow, and average height of the river at the time of new amfull moon, the height of various dykes above the extraordinary flood-line, &c., the paper finished with these general views:—"On looking at the map of Holland, and transing its various streams, it certainly does not appear singular that frequent stoppages should take place in that country, whilst such occurrences are comparatively rare in Germany; for, a long as the Rhine retains its single course, as at Emmerick, no obstacles, excepting elbows, stay the progress of the current seawards; but, as soon as it divides at the Waal and Pannerden Canal, the evil commences and increases, according to the number of arms and channols lover down. It is

Cosmos: Sketch of a Physical Description of the Universe. By ALEX. VON HUMBOLDT.
Translated by Mrs. Sabine, under the superintendence of Lieut.-Col. E. Sabine, R.A.,
For. Sec. R.S.—Vol. II. London: Longman and Co.
The Cosmos of Humboldt is one of the most extraordinary literary productions of these

enlightened times. It is, as its name implies, a history or description of the universe as one harmonious whole; and it begins with the depths of space and the remotest nebulæ, enlightened times. It is, as its name implies, a history or description of the universe as one harmonious whole; and it begins with the depths of space and the remotest nebulæ, and thence gradually descends through the starry region to which our solar system belongs, to the consideration of the terrestrial spheroid, with its aerial and liquid coverings, its form and materials, its temperature and magnetic tension, and the fulness of organic life expanding and moving over its surface under the vivifying influence of light. Such a universal aketch, though drawn only, as it were, with a few strokes of the pencil, must comprehend from the unmeasured celestial spaces to those microscopic animal and vegetable organisations which inhabit our pools of standing water and the weathered surfaces of our rocks; and probably M. Humboldt is the only modern philosopher possessed of the requisite powers and qualifications for such a giganic task. All that can be known by the senses, and all that a persevering study of Nature, in every direction, has revealed up to the present time, constitute the materiel from which such a representation must be drawn, and it must contain within itself the evidence of its truth and fidelity. As our knowledge of Nature is the result of successive ages of observation, tried by the tests of modern science, a physical cosmography or picture of the universe, must display, not so much the grounds of our knowledge, as that which is known. Discarding, then, the technicalities and formula through which our advance has been made, M. Humboldt's Cosmos places the reader upon a philosophic height, from which the heavens and the earth, in all their manifold glories, may be familiarly viewed. The original work is divided into three volumes—the first (Mrs. Sabine's translation of which was published in 1846) takes a general view of Nature, comprising celestial, terrestrial, and organic phenomena; the second; which is now before us, reviews the progress of the study of Nature in mankind, and gives a history of

volume, those results of observation on which the present state of our scientific opinions is founded, and to show that the knowledge yet acquired is but a very inconsiderable portion of that to which, in the advance of activity and of general cultivation, mankind will attain in succeeding ages.

Passing, in the volume before us, from the domain of objects to that of senation, Humbold to proceeds to consider the impression which the image received by the external senses produces on the feelings, and on the poetic and imaginative faculties of mankind. He enters into a delightful discussion respecting the comparative want among the ancient Greeks and Romans of the sentimental interest with which we moderns attach ourselves to natural scenes and objects. The diffusion of Christianity rendered man's contemplation of Nature more free, and from that period picturesque sketches became more frequent. The tendency of the Christian mind was to show the greatness and goodness of the Creator in the order of the universe and the beauty of Nature; and this desire to glorify the Delty through his works, originated the many beautiful natural descriptions so frequently to be found in the Greek Fathers of the Church, among whom St. Basil seems to have been Baron Humboldt's favourits. An appreciation of the beautier and in that of the Persians, the Germans of the middle ages, the Arabians, and the Hebrew. Passing, then, to more modern literature, Dante and Petrarch, Columbus, Camoens, Shakspeare, Milton, and Trompson, are specially quoted as devotees of the beautier in nanimate Nature; and the Baron proceeds to give an animated and interesting description of the progress and prospects of landscape painting. With respect to the leatter, we give the following striking passage:—

"He who with feelings alive to the beauties of Nature in mountain, river, or forest scenery, has himsenf wandered in the torrid zone, and beheld the variety and luxuriance of the vegetation, not merely on the well-cultivated coasts, but also on the declivit

talented among them, after a long enjoyment of the spectacle of the great scenes of Nature, and many attempts at miniation, were just beginning to master a certain degree of technical skill. Moreover, in voyages of circumsavigation, artists are seldom conducted into the true forest regions, to the upper portions of the course of great rivers or to the summit mountain claims of the interior."

The remainder of the volume is occupied with a detail of the principal epochs in the contemplation of the universe, passing in review over more than 2000 years—from the earliest state of intellectual cultivation among the nations who dwelt around the basin of the Mediterranesm, and in the fertile river districts of Western Asia, to a period, the views and feelings of which pass, by almost imperceptible shades, into those of our own age; and the history of the physical sciences gradually becomes coincident with that of the Cosmos. The history of the gradually developed knowledge and recognition of the universe as a whole, is presented in sever distinctly marked sections—or, as it were, in a series of as many distinct pictures—casel of which is drawn with a wonderful completeness, and with a graphic vividness never wielded with greater force and effect than by Humboldt, and which seems almost like inspiration—the result of his intense admiration of Nature's arbilines mysteries. We have never read a work more calculated to attinuate young and inquiring minds to a perseverance in the pleasant paths of science and literature, as the means of penetrating the yet unexplored arcans of Nature.

We join heartily with the Edinburgh Review, in thinking that when Cosmos shall be completed, "a work will have been accomplished, every way worthy of its author's fame, and a crowning laurel added to that wreath with which Europe will always delight to surround the name of Alexander Von Humboldit."

An "Opening" For Geologists.—About 1000 cubic feet of Cept Point have fallen aince Wednesday, and the beach now affords geologists, &c., an oppo

lately a memoir had been published, under a rather curiously sounding title of Chemical Analysis of the Holy Fives of Baks. They were still worshipped by some of the awrage tribes in the neighbourhood of the Caspian Sea. In China, according to some statements of Mr. Taylor, in the Philosophical Macagines of 1846, the bovers for salt water, when piercing large beds of coal, had frequently met with jets of cembustible gases, which they have used long since for the evaporisation of their salt brines, and for lighting their factories. The attempt, however, of searching for the sources of these inflammable gases, and the idea of imitating the natural processes, and of employing the gases thus obtained for useful purposes, originated in this country. As far back as the year 1659, the relations between these jets and the coals beneath the surface, were pointed out by Mr. Shirley, in some experiments at the burning well of Wigan, communicated to the Royal Society. Almost a century, however, elapsed before the first attempt was made to prove the views of Mr. Shirley by experiment, and to extract the gas from the coal by artificial processes. The honour of having obtained for the first time the gas by distillation of the coal, was due to Dr. Clayton, Dean of Kildare; and he would read the original letter in which the reverend gentleman communicated the results of his experiments to the Hon. Robert Boyle. This letter was inserted in the Philosophical Transactions for 1739, and had lately been reprinted in an interesting paper on the "Manufacture of Coal-Cas," by Messrs. Barnard and Lock, and published in the Pharmaceutical Times. It was as follows:—

"I got some coal, and distilled it in artert in a nopen fire. At first there came over only phlegm, atterwards a black oil, and then, likewise, a spirit arose, which it could not proved the province of the coal, and then likewise, a spirit arose, which it could not proved the coal of the coal

Lock, and published in the Pharmaceutical Times. It was as follows:—

"I got some coal, and distilled it in a retort in an open five. At first there came over only phlegm, afterwards a black oil, and then, likewise, a spirit arose, which I could no ways condense, but it forced my lute and broke my glasses; nobe, when it had forced my lute, coming close thereto in order to try to repair it, I observed that the spirit which issued out caught fire at the fiame of the candle, and continued burning with violence as it issued out in a stream, which I blew out and lighted again alternately several times. I then had a mind to try if I could save any of this spirit, in order to which I took a tubulated receiver; and, putting a candle to the pipe of the receiver whilst the spirit arose, I observed that it catched fiame, and continued burning at the end of the pipe, though you could not discern what fed the fiame. I then blew it out and lighted tagain several times; after which I fixed a bladder, squeezed and void of air, to the pipe of the receiver; the oil and phlegm descended into the receiver, but the spirit, still ascending, blew up the bladder. I then filled a good many bladders therewith, and might have filled an inconceivable number more, for the spirit continued to rise for several hours, and filled the bladders almost as fast as a man could have blown them with his mouth, and yet the quantity of coals distilled was inconsiderable. I kept this spirit in the bladders aconsiderable time, and endeavoured several ways to condense it, but in vain; and, when I had a mind to divert strangers or friends, I have frequently taken one of these bladders and pricked a hole therein with a pin, and, compressing gently the bladder near the fiame of a candle till it once took fire, it would then continue burning till all the spirit was compressed out of the bladders which was the more surprising because no one could discern any difference in the appearance between these bladders and those which are filled with common air."

The e

bladders and pricked a hole therein with a pin, and, compressing gently the bladder next the finance of a candle till it once took fire, it would then continue burning till all the spirit was compressed out of the bladder—which was the more surprising because no one could discorn any difference in the appearance between these bladders and those which are filled with common air."

The experiments of this kind there was a great step to the idea of preparing gas for practical purposes. The merit of this idea belonged to Mr. Murdoch, of Redruth, in Cornwall, and a French engineer, named Lebon, who independently experimented on this experiments of this kind there was a great step to the idea of preparing gas for practical purposes. The merit of this idea belonged to Mr. Murdoch, of Redruth, in Cornwall, such a French engineer, named Lebon, who independently experimented on this experiments of the lake, and the commencement of the present, century. The attempt, however, of Mr. Marchall and the commencement of the present, century. The attempt however, of Mr. Murdoch, which it was now known yielded a gas of very inferior illuminating power. He need not say anything of the complete success of Mr. Murdoch, though he had to overwhell the mental of the more of the present of the complete success of Mr. Murdoch, though he had to overwhell the mental of the mental of the complete success of Mr. Murdoch, though he had to overwhell the mental of the

Aniline C 12 H 7 N
Picoline C 12 H 7 N
Leucoline C 18 H 8 N

Leucoline ... C 18 ... H 8.·N N Note.—The letters represent—C, carbon; H, hydrogen; O, oxygen; N, nitrogen, and so on; the figures designate the number of atoms of which each volume is composed—thus, one atom of aniline contains 12 atoms of carbon, 7 of hydrogen, and 1 of nitrogen They would find here a series of substances, of which he could now scarcely mention more than the name, although each of them was highly interesting to the scientific chemist, whilst several were, likely to become of high practical utility. These substances, along with others, which were little known, constituted the complex visicid mixture called "tar;" and it was rather singular that many of them, in their separate form, were oils, possessing the most delightful odours. The second table exhibited the different constituents of the gaseous products of the distillation of coal, as follows:—

Sulphureous acid.

80 2-2114

Hydrochloric acid HC

Aqueous vapour HO

N 0-9720

Incombustible gases.

Nitrogen N 0-9720

Incombustible gases.

In this table, they had, first, hydrogen, with which they were all perfectly acquainted, as one of the constituents of water. From it was obtained a colouriess transparent gas, remarkable for its low specific gravity, being one of the lightest substances known. It burnt with a pale fiame, which was searcely visible, requiring ‡ a volume of oxygen, or ½ volumes of atmospheric air, for its combustion. It was not, therefore, the luminous principle of coal gas [This the talented lecturer illustrated, by ignifing a quantity of hydrogen gas. He also illustrated, in a similar manner, the poculiar luminous qualities of each constituent.]

The next was light carburieted hydrogen, or marsh gas; which was compound, combining a proportion of carbon with two equivalents of hydrogen (C H2). This gas, along with carbunic scid, is produced by the putrefaction of vegetable substances under water—hence its name of savan gas. It burnt with a gale blush fiame, rather more substantial than that of hydrogen—though it was also evident that it could not be, any more than the other, the illuminating principle of coal gas—namely, olefant gas—name derived from its property of producing, when in contact with chlorine at the common temperature, a peculiar aromatic oil (of which a specimen was authotice). It had also, is honour of its inventor, a Dutch chemist of the last century, been called the Dutch figure. It was far riches in carbon than marsh gas, the per contage of the latter being only 76, while that of the former was more than set. Olefant gas burnt with a beautifully brilliant fiame, constituting the true Huminian gas, the per contage of the latter being only 76, while that of the former was more than set. General content of the content of the latter being only 76, while that of the former was more than set. General content of the content of the order of our of olefant gas, three of oxygen

GEOLOGY AND TOPOGRAPHY OF THE ISTHMUS OF PANAMA.

My reference to a prepared plan, it will be observed that the cordilines of mountailing, forming the chain of union between the two Americas, is curved in the shape of an are on the Internation of Panama—the course and the cost in the things of the are on the Internation of Panama—the course and the cost in the continuity of the chain interruped by the obligate interaction of the Birry Chapters, and the continuity of the chain interruped by the obligate interaction of the Birry Chapters. The works of the course of the polarous and the Birty Chapters. The works of the course of the polarous and the Birty Chapters. The works of the course of the polarous and the Birty Chapters. The works of the course of the polarous and the Birty Chapters. The works of the course of the polarous and the Birty Chapters. The works of the works of the works of the birty Chapters. The works of the works of the birty Chapters. The works of the wor

sand, conglomerate, or gravel, which, in these warm climates, are soon consonance compact beds.

The town of Panama is situated on secondary argillaceous deposits, in layers a ments of comparatively recent date, and very strongly impregnated with iron. part of the upper portion of these deposits, to the depth of several inches on the as is composed of cyster-shells and red sand; interstratified, are found soft scame; and likewise some yellow and grey layers, appropriate for part of the upper portion of these deposits, to the depth of several inches on the sea shore, is composed of cyster-shells and red samt; interstratified, are found soft seams of aturn nous white magnesis, and likewise some yellow and grey layers, appropriate for building—some of which are sufficiently soft in site, but become harder by exposure to the sum. The green and blue varieties, which are found of different degrees of hardness, are susceptible of rapid decay, owing to the absence of siliceous, or calcarous, matter in the original compound, to form a cement for binding together the sedementary depositie. Lime for building is a marine production, obtained principally from shells; and, in consequence of the excess of phosphate, and the absence of siliceous, and, there is great difficulty in obtaining a good composition for works exposed to the action of water, or hydraulic lime. Even to make lime for ordinary purposes, the stemest care is required to weak the saline matter from the shells; if this be neglected, the lime is spoiled, and does not easily blind. The foregoing secondary deposits—those of Barbacoas—the white argifilaceous deposits between Cruices and El Pequent and Caimitallo, are all the secondary rocks I have seen. There are a few calcaron-aluminous recks, instrustratified with relagance deposits, near 8t, dans, but, correctly speaking, they are not deserving of notice. The lime on the aboves of the Atlantic, and likewise the building-stone, is obtained exclusively from the coral rocks, which so beautifully and exclusionally vegetate on the heimblondic shore of Fortobolo. This town and fortifications of Portobolo are entirely build of coral, and they appear very durable, with the polocytical position of these rocks. The question will now naturally arise—where are we up precise maintain for a road in a country where there is no absolute a decleme, of these requisite articles. Decause, in case of either improving the present mode of transit, by means of an entirety road, or making a read for cart

r economy than by the ordinary road. Is will be necessary to make the bridges high and wild over the Gastun and the Chagres, which can only be effected by means of timber, judiciously combined with wrought-iron, constructing them on the principle of over de signature—the sketches of which including the road and quay mustley of Fanama, with be forthcoming in the time, together with an approximative calculation of time ones. In case the medium line should not be determined on for the ordinary road cutting, and constructing dyles and bridges, the advantages of a carriage-road over a suite-road would be triffing. In result ys soft road, embracing a number of successor accordance of the practipious hills, would be inferies to a good rederand. It is important to consider this point attantively, beforeband, to avoid the mistake of supposing that a mule-road, converted into a carriage-road, would produce the anticipated advantages. If the gradients are well executed, it is a fassible project to construct an iron cart-road (serve carrif), from the Bay of Limou along the eastern bank of the Chagres—and this can be performed with a moderate outlay, the transit performed in 9 or 10 hours, and merchandise transported with celerity, and at an insignificant cost; one lorse on an iron cart-road (serve carrif) will do the work of six on an ordinary road; the casual and necessary expense will be less, and the best materials could always be procured, owing to the great facility of transport.

The foregoing observations have reference to the transit from sea to sea; they have no connection with those provincial works and improvements which are being carried out and which are being carried out.

Minus.—There are no metalliferous veins in the Isthmus of Panarna within the limita shore described. Notwithstanding that, generally speaking, the porphyritic hornbleade is sariferous, the gold is very sparingly disseminated; and, in the absence of lodes, or fisarres, in the rocks, no natural concentration takes place; and, consequently, the preclous metals cannot be obtained until the rock is decomposed, and the gold partially concentrated in pools, by the agency of the rains. The inhabitants of these artiferous districts are well acquainted with the places in which the gold is collected; they are also expert washers; notwithstanding, is consequence of the small quantity of gold obtained, and the excessive labour required to remove the secundation of stones, they seed of gold obtained, and the excessive labour of several properties of the manner than 4 rosls a day—rather less than more; and yet, in the face of repeated mistratumes, they are so infatuated with this work, that they are unwilling to abandon the labour of searching by gold, is order to direct that server be so a more certain and profit able occupation. Sometimes rich pools (posse) are found—this is reported to have taken places at Santa Illia and Pequent; these fortunest casualties serve to keep alive the invised foul holes; which we have been considered by the supposition that all miserals, or metals, must proceed from lodes; under the same erroneous impression, poor gold lodes are worked—their only macrit consisting in vague traditional reports, that some rich deposits had been formerly discovered in the vicinity. The gold washings are commonly called "mines," and the term using leads to the supposition of the existence of metallic veins, on account of the vague signification gives by miness to metalliferous deposits. The gold-washers give the name of lode to all the small seams of forruginous deposits, though they may be widely different in their chairs, and discovered in the vicinity. The gold washings of Santa Rita and Pequent of the position cribed. Novidistanding that, generally speaking, the pophyritic hornbiende ons, the gold is very sparingly disseminated; and, in the absence of iodes, or

is these can be of no service in this part or me which a descriptions already given being afficient for the purpose.

Very fine trees are to be seen on the banks of the Gatun, especially of the species called colar. Having crossed the isthmus three times, I penetrated, on foot, through forests and rivers, and have been exposed to heavy rains, day and night, without suffering in leath. I have no reason, therefore, to consider it as unhealthy as its reported to be.

The oppulation appears small and inadequate for the purpose of public works; but abourers can, I have been assured, be procured from some parts of the interior. I am, however, of opinion that, if any important works are undertaken, an additional and more affective set of hands would be indispensable.

[Translated from the Bogota Gasette of the 9th Sept. 1847.]

Mining Correspondence.

ENGLISH MINES.

ENGLISH MINES.

ANTIMONY AND SILVER-LEAD.—Capt. Charles Williams (April 5) reports—We have cut another antimony lode since Prof. Ansted was here, and since I last wrote you, about 18 in. solid, worth 20l. per fm.; and the cost of rising will not exceed 50a; this lode is a little north-west of our shaft, and I have let to Morcomb and Co. 4 fms., for 3d, to sink on the lode; I hope you will be satisfied with this, and, in future, I would not recommend day-work for any man on the mine. We have also opened on a beautiful lead lode since I last wrote, not shown on the map; and I have no doubt we shall get ore very shaflow. Prof. Ansted was perfectly satisfied with the prospects of the mine.

BARRISTOWN.—Captain Thomas Angove (March 31) reports—We are at present drawing the water out at Nangle's, and I hope in my next report to give you a statement of what ores we may immediately expect to raise from this part of the mine. The adit end east is producing from 10 to 15 cwts. of ore per fm.—we have driven 12 fms. on the lode, producing this quantity in this level; the back is working on tribute—but from the large flow of water, the bottom (although a much better lode), cannot be worked until we get a level under it from eastern fat-rod shaft; the pitches in the old mine look much the same. We shall commence to drive from Slob shaft in a fortnight under that part of 18 fm. level where the lode was stoped 6 fms. under the level on ore, with a view to unwater it—the Kin shaft presents the same feature as in may last. Our quantity of ore to the end of March is from 22 to 25 tons.

BEDFORD UNITED.—The mine agent (April 5) reports—At Wheal Minguis, the lode in the 90 fm. level, east of the sump-winze, is 3 ft. wide, producing good saving work; in the stopes, in the back of this level, it olde is 6 m. level, east of the lode; it fine level west of Phillips's shaft; the lode the lode, is suspended. We have commenced driving the 4 fm. level east, in which the lode is 2 ft. wide, producing good stones of ore. In the 20 fm. level,

CALLINGTON.—Capt. J. T. Phillips (April 5) reports—You will be much leased to hear, the lode in the stopes, in the back of the 70, continues to premit the same flattering appearances—the croy part being from 5 to 6 ft. ridle, a fine course of ores, and 10 tons per fm. is a moderate calculation; we are discovered this for 2 fathoms in length, and it appears likely to continue ver the back.

CARADON COPPER.—Capt. W. Rule (April 5) reports—At the last general meeting of shareholders of this company, held at Webb's Hotel, Liskeard, some time since, I informed them, that I had little doubt but that we should intersect the lode, in cutting the plat in the 36 fm, level; and I have now great satisfaction in acquainting them, that such has been the result; it is 8 ft, wide, composed of soft spar, prlan, and peach, with fine stones of black and yellow copper orea. This mine has recently been inspected by some of the most practical and experienced agents of the district, who have unanimously come to the conclusion, that it is a very flattering speculation. The situation of this mine is very favourable, it being at the foot of the rich Caradon Hill; and the workings here are parallel with the productive courses of or in South Caradon, and with the same cross-courses running through the sett, and it is fully expected to prove a rich depository of ore. It is hoped, that this cheering information will tend to invigorate the drouping spirits of some of the unfortunest speculators in this neighbourhood, and induce them to persevere, to return their fallen fortunes.

CARTHEW CONSOLS—Capt. W. H. F. Stephens (April 5) reports—

maste speculators in this neighbourhood, and induce them to persevere, to rearn their fallen fortunes.

CARTHEW CONSOLS.—Capt. W. H. F. Stephens (April 5) reports—Consequent on the inaufficiency of water to work the wheel, we are obliged to mappend anking below the 10 fm. level, at Valley shaft; also the driving of the ends, in this level, north and south; and our underground operations are now confined to the driving of the adit level south, and catting down the engles-shaft in the old mine, and preparing, as we go down, for the reception of pitwork; with this work we are progressing very satisfactorily; we are now down about 18 fms. from surface; in the adit end a slide has intersected the lode, which we have not yet got through, and which, at the immediate junction, has very much disordered the lode, but has made a difference in fa-

vour of the price of draving the end of about one-third the late price. We have ealso six men clearing the foundation of the engine-house, which we have let at is. 4d. per cubic fathom. We have two men working in the quarry, where I find the stone being raised is very much improving in quality, which is a very great and important thing for our buildings, being so near the site.

COATLITHE HILLS.—The mine agent (April 3) reports—I expected to have been able to inform you by this, that we had cut the vain in the wine; but, owing to its having slipped more than we expected, it has not yet been cut through: from the appearance of the ground, I do not think we are far from it; and I hope we shall cut this week, and find it good.

COPPER BOTTOM.—Captain John Richards, of the Consolidated Mines (March 2b), reports—The sett is extensive, containing several lodes, which have been found to produce a pretty deal of copper and tin near the surface; and the indication is favourable for doing so at greater depths. A few years since, an engine was erected on one of the south lodes, and the shaft sunk about 40 frms under the adit level or it; but at this point the lode was worked to a very limited extent. By a flat-rod from the engine, one of the north lodes has been worked to the depth of 20 fms under the adit level; this lode has aben worked to the depth of 20 fms under the adit level; this lode has abeen worked to the depth of 20 fms under the adit level; this lode has abeen worked to the depth of 20 fms under the adit level; this lode has a been worked to the depth of 20 fms under the adit level; this lode has a been worked to the depth of 20 fms under the adit level; this lode has a love of the mine, an engine should be again erseted in the old engine-house, and work the north lodes by a flat-rd from it, so as to prosecute the different lodes at greater extent and depth. This work cannot be accomplished without an outley: an engine of sufficient power must be purchased, also necessary pitwork, and other machinery, to work

ceedingly promising. Mr. Paull says we shall soon see it much better.

COOMBE VALLEY QUARRIES—Capt. C. S. Richardson (April 6) reports—We have let the Island Quarry to six men, at about 8s. in 11; they are to employ as many hands under them as can possibly work; they expect to clear a cargo in a fortnight from this spot. The Allshard Quarry is let on tribute, at 4d. per dozen for rags, dutchesses, or queens, and the removal of the overburden, in such portions at a time as the manager may require, at 14d. per ton, clear of the quarry; we propose, therefore, to employ 100 men. We have taken full possession of Crackington Harbour, and have commenced laying down an incline railway to the shipping place. Already have we had application to allow the fishermen to come in, and use our landing place; a full report will appear in the course of a few weeks.

CWM ERFIN.—Capt. S. Nicholis (April 1) reports—The stope, west of the

report will appear in the course of a few weeks.

CWM ERFIN.—Capt. S. Nicholls (April 1) reports—The stope, west of the whim-shaft, is looking just as last week, producing half a ton to the fm.; in the stopes, east of the whim-shaft, they have not taken down the lode this week, on account of the men drawing their stuff; but, as far as they have taken down the lead, it is rather improving; I think it will be above a ton to the fm. just now; the stope, west of the eastern shaft, is rather poor at present; we have got within 4 fms. of the end, where the lode is poor; in the meantime f cannot see any ore of any value. We have nearly finished cutting the plat; we shall make it ready to sink in another month.

DEVON AND COURTINA CONSOLS.

we shall make it ready to sink in another month.

DEVON AND COURTENAY CONSOLS.—Capt. H. Seccombe (April 4) reports—In the end driving east in the 40 fm. level, on the gossan lode, we have intersected a slide, underlying east, and dividing the lode into branches; those branches contain mundic and ore, and are interspersed throughout the end. In the end driving north on the cross-course, in the same level, we have cut the gossan lode west of the cross-course; the lode is about 2 ft. wide, composed of mundic, spar, and spots of ore, in a good strata of favourable killas. The lode in the end driving east, on the south lode, is 9 in. wide, composed of mundic, spar, and spots of ore. The ground in the engine-shaft has this week been rather harder than for some weeks past, the killas being mixed with layers of spar.

EAST CROWNDALE—Cantein Stephen Paull (April 1)

been rather harder than for some weeks past, the killas being mixed with layers of spar.

EAST CROWNDALE.—Captain Stephen Paull (April 1) reports—The sumpmen are still engaged cutting the plat in the 51 fm. level; the ground is much harder than calculated upon, and, consequently, it is taking a longer time to complete. The 47 fm. level, driving west on the course of the north lode, continues just the same in appearance as when last reported on—good stones of ore at times, but does not yield much saving work. In the rise and stopes, in the back of this level, there has not been much lode taken down in the past week, the men having been engaged in beating up a piece of dead ground, to lengthen the back; the ore ground being longer than when we began to rise, we shall have a good pile of ore from this place next week. We have commenced sinking in the bottom of the 47 fm. level east, but as yet cannot say anything of the appearance of the lode, there not having been any taken down in the past week. We shall commence on Monday to sink the engine-shaft at Rix Hill, the water having fallen back considerably since the dry weather set in. The walls of the new engine-house at Rix Hill will be finished next, and the loading for the stamps is completed.

GREAT MICHELL CONSOLS.—The mine agent (April 5) reports—That the lode in the sump-winze continues large and promising, containing nundic,

GREAT MICHELL CONSOLS.—The mine agent (April 5) reports.—That the lode in the sump-winze continues large and promising, containing mundic, fluor, and spar, with ore throughout, producing some saving work. In the 35 fm. level, went of the sump-winze, the lode is improved, producing some saving work, and laying open tribute ground.

HEINGSTON DOWN CONSOLS.—The mine agent (April 5) reports.—We continue sinking Bailey's engine-shaft, in which the lode is 4 ft. wide, composed of gossan and spar, with good stones of tin. Buddle's adit level north is progressing favourably.

HULMBUSH.—Capt. W. Lean (April 4) reports.—The lode in the 120 fm. level south is 4 ft. wide, composed of spar, prian, and stones of rich silver-lead ores.—saving work; the lode in the rise, in the back of this level, is 3 ft. wide, composed of soft spar, with spots of lead scattered throughout the lode. The lode in the 110 fm. level south is 5 ft. wide, composed of quartz and lead, worth 6L per fm.; the lode in the isact of this level, is 6 ft. wide, composed of quartz and lead, worth 6L per fm.; the north end, in this level, we have set on tribute at 10s. in Lo nthe value of the lead only. The lode in the 100 fm. level south is 2½ ft. wide, composed of soft spar, prian, and lead, worth 5L per fm., with favourable ground for exploring; the lode in the winze, sinking below this level, is the feet wide, composed of spar and lead, worth 15L, per fm. The flap-jack lode, in the 100 fm. level cast, is 3 ft. wide, with two good walls, between which are several strings of nundic, spar, and spots of copper ore. The lode in the 90 fm. level south is 2 ft. wide, composed of soft spar and lead—saving work. The tribute pitches are producing a fair quantity of lead ores. We sampled at Calstock Quay, on Friday last, February and March copper ores, computed 98 tons. copper ores, computed 98 tons.

copper ores, computed 38 tons.

KIRKCUDBRIGHTSHIRE.—Capt Jos. Buzzo (April 1) reports—That the lode in the 50 fm. level west end continues large; the south part, on which we are driving, is not so productive as it was; we propose now to drive north, to explore that part of the lode on which a winze has been sunk 5 fms. below the 40 fm. level, where there is a course of lead, yielding 1 (no per fm. The lode in the 40 fm. level, end west is 4 ft. wide, producing stones of lead; but, inferring from the run of lead ground below the 30 fm. level before this end, we are naturally expecting to see an increase of ore; the lode in the end east, on the caunter, in this level, is 3 ft. wide, yielding 5 cwts. of lead per fm. The lode in the 30 end west is 4 ft. wide; but as the lead part of the lode has not been taken down lately, I am unable to speak of its exact value. I should expect from \$\frac{2}{3}\$ to 1 ton per fm.; the lode in the 30 end east is still in unsettled ground, notwithstanding it produces stones of lead; and, from other indications, I hope soon to see an improvement. The lode in Keith's shaft is 3\frac{1}{2}\$ ft. wide, producing 1 ton of lead per fm.

MENDIP HILLS.—Captain F. C. Harpur (April 3) reports—In extending

tions, I hope soon to see an improvement. The lode in Keith's shaft is 3½ ft. wide, producing 1 ton of lead per fin.

MENDIP HILLS.—Captain F. C. Harpur (April 3) reports—In extending the cutting towards the eastern, or more productive, shag ground, I find the beds of stuff continue about the same thickness as for several weeks past (viz. 11 ft.), some parts of which are work of fair quality; the carpenters are still pressing forward as fast as possible with the enlargement of the dressing department, and hope shortly to return a greater quantity of slags to the furnaces; the small furnace mentioned in my last is now completed, and I intend to commence re-smelting the lead into pigs to-morrow—shortly after we shall have several tons ready for market. The lode in the 38 fm. level, south of shaft, is about 2 ft. wide, composed of flookan, spar, iron, and limestone.

SOUTH WHEAL MARIA.—Capt. G. Francis (April 6) reports—We have now reached the caunter lode in the south cross-cut—that which was laid open in making the wheal-pit; it is about 1 ft. big, composed of prian, mundic, &c., with some good lead ore interspersed through it; the walls are regular, and underlaying south towards the great cross-course 3 or 4 in. in a fm.; from its present appearance, we calculate on reaching the south lodes in less time than we should by continuing to drive m the country; there are about 12 or 14 fms. more to drive to reach the great gossan lode south, which we have no doubt will be accomplished in about three months from this time.

SOUTH WHEAL TRELAWNY—Capt. W. Jenkin (3d April) reports—

will be accomplished in about three months from this time.

SOUTH WHEAL TRELAWNY.—Capt. W. Jenkin (3d April) reports—
That Snell's engine-shaft is in course of sinking with nine men; ground a
little harder—a light strata, mixed with spots of copper ore and mundle; the
water is just the same as it has been.

TINCROFT.—Capt. W. Paull (April 3d) reports—There is no material
alteration taken place in these mines since last report. I was underground at
Palmer's last Saturday. The 30 and 70 ends west, on East Poul lode, are producing ore—the latter has rather improved in the past week; the eastern

winse, in the bottom of the 70, has been holed to the 80; another pitch may now be set to the west of the said winse; the western winse, in the bottom of the 70, is now drained dry, and is resumed ainking by the aame men that sunk the other winze. The 60 end west, being near the boundary, is anspended, and the men put to sink a winze in the bottom, near the end, in or lar termitiate the level below, which level we hope will be driven through the set without tonching the north boundary. The north mine, in the 30 end east, has rather improved for copper ore in the past week—there is no other alters to prove the manifesting; in the sooth mine, the atopes and pitches continue to prove the manifesting, in the sooth mine, the atopes and pitches continue to prove the manifesting in the sooth mine, the atopes and pitches continue to prove the continue to the set of the 12 fm. level; to let down the water, in order to clear the eastern level. The sumpnen are thriving east and west in the 34 fm. level—the lode is large and promising, with some ore; the cross-cut north, in the addit level, is nearly cleared out; the level may be examined by the end of this week. The tim sold, last Thursday, fetched 900. dod; the insular 300, or Friday, fetched 372. By the statement of cost and returns, sent you son Saurday last, you will observe that 1957. The 37 fm. level, were of Williams's cross-course, on wheat Jerel lode, is suppended—driven last month; if a 1 fm. 0 in; we have been sinking a winse in the bottom of this level, in the past weak, to communicate to the rise in the back of the 70 fm. level, west of Williams's cross-course, on the same lode, the lode is 15 in. wide, with good stones of yallow ore—driven 3 fms. 0 ff. 6 in. In the 39 cross-cut south, from Tolearne in lode, the lode, is 2 ft. wide, worth 42 per fm.—driven 3 fm.; the shallow of the sorter of the stone will b

well got through with the timbering of shafts, fixing of whim, and balaneshobs, our expenditure in this article, which of late has been very high, will, in future, be very much less.

WHEAL MARY ANN.—The mine agent (April 4) reports—The lode in the 42, south of the boundary, is 15 in. wide, and worth 7L per fm. The lode in the 80 fm. level, south of Barratt's shaft, is 4ft. wide, very kindly, composed of gossan, can, and quartz, but not much lead; the stopes, in the back of this level, are looking well. The lode in the winze, sinking under the 15 fm. level, south of Barratt's shaft, is 4ft. wide, sinking under the 15 fm. level, south of Barratt's shaft, is 4ft. wide, kindly, with some lead. The lode in the 15, south of Pollard's shaft, is 15 in. wide, very kindly, but at present unproductive of lead. Pollard's shaft is suik 10 ft. under the 30 fm. level. We shall this day sample 60 tons of lead orc.

WHEAL TREHANE—The maine agent reports—Kelly's shaft is now down 6 fms. below the 45 fm. level, and the ground is favourable; the lode, in this level, in both the north and south ends, is of just the same size and character, about 24 ft. wide; but is not so good as it has been in the last 7 fms. driving, producing at present 4 cwts. of lead per fm., we are rising in the back of this level, and sinking a winze to hole to the same from the 35, for ventilation and advantage in stoping; the lode in the rise is 20 in. wide, saving work; the lode in the winze is producing 6 cwts. of lead per fm. We have, in this month, been sinking Philips's shaft on the course of the lode, which is now 6 fms. below the 35 fm. level; the lode is 2 ft. wide, producing about 5 cwts. of lead per fm.; the ground here is easy to break, and we have commenced stoping below this level, both north and south of the shaft; the lode in the stopes, from the back of the 35 fm. level, and the bottom of the 36 north, is producing 15 cwts. of lead per fm.; the stopes in the back of the 30 and 20 fm. levels are producing some good work. The last parcel of

Produce—20 tons of tin, at 48i.—960i.; deduct expenses, 527i.—leaves 433i. net pro

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Produce—20 tons of tin, at 48%.—960%, deduct expenses, 5276.—leaves 433% net profit.

WHEAL TRELAWNY.—Capt. John Bryant (April 4) reports—We have not yet got into the main part of the lode in the 62 fm. level at Phillips's shaft; but, from the great quantity of water flowing from the end, I think we are near it; the capels here are much larger than either of the levels above, and being hard, with so much water, our progress has not been so great as we could wish. The lode in the 62 north is 4 ft. wide, composed of can, spar, mundic, and lead, worth 66, per fm.; in this level south the lode is 2 ft. wide, chiefly can, with lead intermixed, and worth 86. per fm.; the stopes, in the shaft, where the lode is worth 206 per fm. The lode in the 42 north is 23 ft. wide, chiefly composed of can, and producing a little ore, but not rich; the ground in this end is not so hard as it has been—consequently, I expect an improvement in the lode shortly; the stopes, in the back of this level, which are rather hard, are producing a fair quantity of lead. The lode in the 32 north is 5 ft. wide, composed of can, spar, mundic, and lead, worth § ton of ore to the fm.; we commenced steping about 5 fms. behind this end, where the lode will produce from 10 to 12 toms of lead per fm. Trelawny's engine-shaft is such 9 fms. under the 42 fm. level; the ground is clear killas, and favourable for sinking. We intend fixing a plunger-lift in the 52, for which purpose we are currying the shaft 2§ ft. longer, for pole connection, &c. The 22 cross—use cust is still in driving, by 4 mes, in a clear killas. And favourable for sinking. We intend fixing a plunger-lift in the 52, for which purpose we are currying the shaft 2§ ft. longer, for pole connection, &c. The 22 cross—use cust is still in driving, by 4 mes, in a clear killas, and favourable for sinking. On the fixing the lode in the 30 north is 3 ft. wide, composed of spar, can, and lead, worth 66, per fm.

have cut into the lode in the 62 fm, level, where it is 2 ft. 6, in. wide, composed of can, spar, mundle, and lead; there is but a small hule broken into it, but as near as I can judge, it will produce about 15 cwts. of ore per fm.—any worth $1H_1$; the lode here is precisely the same in character as above. You need not be alarmed about the capels being large, as we find, in all the level above, where the capels are large, the lede to be invariably good.

FOREIGN MINES.

FOREIGN MINES.

IMPERIAL BRAZILIAN MINES.—Gongo Soco, Jan. 13.—An English carpenter, three miners, and five biseles, left this place for Bananal two days since, and the few who still remain here will take their departure the instant we can find house-room for them there. A large lot of building materials is also on the way thither. At Bananal, nothing worthy of especial notice has occurred since my last, save that the lower end, from the middle shift shaft, has been turned, so as to cross the hard ground, and that the stone in it is so far favourable for working; all the other levels are going forward regularly. We are promised the gudgeons for Walker's new wheel early in the ensuing week; and we shall certainly commence putting the wood-work together during the present month. Jun. 22.—In Gongo, a cross-cut, driven from the surface into the mountain side, near the Elisa stamps, has intersected a small, yet remaining, portion of the new north vein, from which have been obtained two hat-caps of work, which yielded about j ib. of gold; sweety other part of the mine remains without alteration. At Bananal, we have resumed sinking Walker's ahaft; but the ground is to soft and heavy, that our progress is exceedingly slow, and has disappointed us very much. The deep still from this shaft, and the same level from the addit shaft; to meet it, are now cross-cutting the intervening space; in the former, it is sandy and soft, and, in the latter, very hard. The same level, from the addit shaft downward, and that from the lower (tail) parts the half is to meet it, sugging on very repidly and well. We have commenced opening a communication between Walker's shaft and the old workings, driving on the course of the jacotines, in order to Walker's shaft and the old workings, driving on the course of the jacotines, in order to Walker's shaft; the gudgeons for the new water-wheel have arrived, and are fixed in the asset in the same level. The deep levels, from Thomas's towards Walker's shaft, and in the opposite direction, are conti

Produce from Cuiaba Mks. 23 1 6 4

ST. JOHN DEL REY MINES.—Morro Velho, Jan. 8,—Produce for Dec., 15,858 pits. 189:346 ibs. troy, from 3990 tons of ore = 3.97 oits. per ton.

This splendid produce is the result not of any peculiar richness of one—for, by a statement in Capt. Trolour-smoothly report, you will see there was but little difference in the values of the ores sent up in the two months of Nov. and Dec.; and that, making allowance for the extre day in the latter; the produce of both ought otherwise to have been nearly silice; yet what are enormous difference, in fact, between 13,849 in. the first, and 18,968 oits. in the last. The large quantity of ore, of a fair average quality, stamped in Dec.—say 3990 tons—is the sole cause of our great produce, and shows the worthlessness of an assertion made (I believe in the report for Nov.), and relied on, as an excuse for the sudden falling off in that month's produce—viz. I that the large quantity of 3816 tous passed through the stamps, proved that the greater portion must have been little better than killas, because the samps had not power to work such a quantity of good stone; yet, the very following month, the same stamps have worked the still larger quantity of 3900 tons of undoubted good stone (though not particularly rich), giving the splendid produce of 115,568 oits.

par cubic foot. Stamps working, 16 days, average 69 1-10th heads. Supply of stone in now very good.

**New Stamps.—I have now, at length, a good force of carpenters upon this work.—say three Englishmen and nine Brazillans; and, in addition to the smiths mentioned in my last, I have six valleiros making the excavations for the wheel-plt, and another body of mein raising stone for the same.

**Amalgemention House.—It is deemed requisite to discard all the amalgamation barrels; and three new barrels are now in active progress. I purpose also to set a party of mechanics to prepare, without further delay, the new 30 ft. wheel I have already spoken of for this department, for the one now in use is so old and crary, that it may at any moment full to pieces.

and three new owns.

chanics to prepare, without further delay, the new so it, where the department, for the one now in use is so old and crary, that it may at any mement fall to pieces.

Jan. 28.—Gold, extracted to date, 8637 olis. from 460 cubic feet of sand=18 88°0 olis. For cubic foot. Stamps working, during 25 days, 69 3-10ths heads. The supply of stone is latterly most abundant.

Western Qa. Panella Exploration.—In my letter of the 28th Dec., I stated that the lode-had opened out to 4 ft. wide, and that the mining captains were all of opinion it would open out still wider, as they drove further westward; this opinion, I am sorry to say, has proved completely fallacious. The lode, as they have proceeded westward, having again dwinded away to about the same width at which it had been found at its eastern extremity—say, to about I foot. Capt. Trelear is now much inclined to agree with me, that the true lode has been heaved intribe morth, and that what they are now driving on is only an unimportant thread, or tongot. The new 30 ft. wheel for the amalgamation-house has been fairly commenced. At the new stamps, the carpenters' and smiths' work, raising stone, excavating, &c., are all being pushed forward with activity.

MINING NOTABILIA. FEXTRACTS FROM OUR CORRESPONDENCE.]

WEST CARADOX.—In the north part of this mine they have a very goo lode, which will dip into Gonamena at about 60 fms. deep. In course of a few days, I will furnish you with further particulars, such on which you may depend

WHEAL ASH.—The engine-shaft, which is 10 fms. under the addt, is 5½ ft, wide, 3 ft. 6 in. of which is solid mundic, with occasionally a little gessan mixed, in which black copper ore is found,—the remaining 2 ft. of the lode consists of peach, prima, and soft spar. There is also a clearly defined leader of lead, running parallel, producing some very good work.

[From the Plymouth Journal.]

Wheat Franco.—In the 47 fm. level, east of the cross-course, although the progress is alow, the improvement is decided; this level, west of the cross-course, is also more regular; the capels of the lode in the 62 fm. level have not yet been cut through. The plitches are much as usual.

WHEAL ASH.—The lode maintains its size and character.

Wheat Calstock.— Here u tin lode has been eaf, in driving the cross-cut, which pro-nees very good work; but, as yet, little more can be said of it, than that it promises to every productive.

PLYMOUTH WHEAL YEALAND.—The ground in the engine-shaft continues good for sinking. The 12 fm. east has passed through the cross-course, and the lode to the east to becoming more regular, and producing tin; it is evident, from the change in the country, that the lode in the cross-country, that the lode in the cross-country dath the lode is much supproved, and is producing work of the richest character.

PLYMOUTH WE. YEALAND EAST.—The clearing of the udit shaft is being proceeded with—EAST TAMAN CONNOLS will resume operations in a few days—a meeting was held at Tawistock on Tuesday. All the shares (900d) are disposed of.

COLLIERY EXPLOSION AT NEATH.—In the House of Commons on Monday, in answer to Dr. Bowring, Sir G. GREY said he had received no official information respecting the explosion which had taken place at Neath. If, on doing so, it should justify an inquiry, he would institute one.

THE COAL TRADE AT WHITEHAVEN.—We regret to amounce, that some of the pits at and in the neighbourhood of Whitehaven, are closed for the present, on account of the inactive state of the market. Vast quantities of coul are lying on the pit's banks, waiting for orders for shipment.—Carlisle Patriot.

MINES IN HUNGARY.

MINES IN HUNGARY.

Str.—The late change in the Hungarian Cabinet, will, na doubt, lead to the abolishment of the absurd laws respecting the mines of this rich country—a country abounding in gold, allvar, lead, iron, and coal mines, most of which have hitherto been neglected. It was the policy of Austria to keep Hungary in a state of barbarism, and every possible obstruction was raised to prevent commercial transactions with that country—while the laws totally excluded foreign capitalists; yet, in spite of all this, the Hungarians have succeeded in banishing tyraney and oppression, and have placed at the head of the present Government those men who have suffered repeatedly under the Austrian yoke. No man in Hungary has devoted more time to his security than Count Stephen Széchéni, the present Minister of Public Works. To this excellent nobleman, whose reputation stands so high in England, Hungary is indebted for the following great werks, which will long commemorate his exertion:—The steam navigation of the Danube, the great suspension bridge at Peath, the establishment of the Pesth Commercial Bank, the building of the Pesth Museum, the regulation of the Danube, the great suspension bridge at Peath, the establishment for the Pesth Commercial Bank, the building of the Pesth Museum, the regulation of the Danube, the material of the man and the works of the Theiss river, which is new in operation, besides many other works of great magnitude. Nor has M. Kossuth, the new Hungarian Minister of Finance, been less zealous in his exertions to see his country rank high among other commercial nations. This enlightened gentleman has succeeded in restablishing the native Magyar language, and also in establishing the Society of Commerce, at Pesth, for the Encouragement of Hungarian Manufacture; nor less anxious is he in endeavouring to forms railroads, to davelope the vast resources of this great country. For some time has M. Kossuth directed his attention towards the working of the rich mines; and now we trust that every obs

TUTWORK AND TRIBUTE.

TUTWORK AND TRIBUTE.

Sir,—We observe, in your Journal of the 25th of March, an article by "A Mine Agent," proposing an alteration from the present almost general mode of setting labour in mines. We should not reply, either in favour or against it, but for the subsequent appearance of two others, by "Fair Play" and John Seymour, of Caradon Wheal Hooper. Now, in due respect to the writers of the two latter articles, they may be very qualified mine agents, and most conscientious, both in reference to labourers and adventurers, and, perhaps, superior for general mining business; notwithstanding, other individuals may differ from their views, and be equally desirous to do justice. We cannot consider any man's views the more correct, from his speaking contemptuously of those who may differ from him, by using such epithets as "inexperience," "agents by cousinship," "nonsensical stuff," &c. We know nothing of either of the writers—therefore, can have no partiality. We present a fact for their consideration, or for the consideration of any other person who may be either for or against the proposed new method. At Perran St. George United Mines, about 15 months ago, we introduced precisely the same neethed as your correspondent of the 25th of March proposed, and continue it to the present time; and, notwithstanding some of the bargains, in some instances, have been set for one-fifth, or one-sixth, less than the agents' price, the labourers' gettings have amounted to a higher average than previously to our adopting this method of setting. But we have some old pitches at a high tribute, where we deem it prudent to offer the parties the agents' price at once, so that they may be always kept in the best state for subsequent working. Our motive, in establishing this mode of setting here, was to give fair play, and an equal chance, to all parties. We cannot employ all of the individuals about us who want work, noither can we feel justified in making a selection—so we can see no reason, in either of the letters, against this ne

MINE SETTINGS—TUTWORK AND TRIBUTE.

Sin,—I find my address to mine adventurers, in your Journal of the 25th of March, has been commented on by Mr. John Seymour, who, after accusing me with insincerity, both to the employer and the employed, sets me down to be one of those inexperienced persons who has got into a situation as a mine agent by the aid of some counsinship, but who now is out of employ. So far, allow me to say, Mr. Seymour is quite mistaken—for, in the first place, I obtained my situation through merit; secondly, I have had the good fortune, for the last 22 years, to retain it. But this is not the only error he has fallen into—for, in one place, he has described our miners to be the most indolent set of men on earth. "Should my plan (he says) be adopted, we should have all our bargains and pitches taken by the good-for-nothings;" and in another, he says, "it is well known they are the most usefulclass of men under the sun." For my part, I have nothing to say to the prejudice of the miner, but wish to make him better qualified to accomplish his laborious duty; and I known no other plan so likely to effect this desirable object as the one I first proposed; and I beg to repeat, I have not the least doubt there would be, under the new mode of setting, full one-fourth more labour done for the same money; for our miners in general are so deeply impressed with the belief that, in case their remount of wages was to exceed a certain sum in this taking, it was sure to be taken from them in the next. Such impression as this cannot full to impede their progress very considerably; and, on the other hand, in case their previous price proves inadequate, they expect the deficiency to be made up in the next; this must induce them to proceed every slowly. Now, I think these two evils, exclusive of all others, are quite sufficient in magnitude even to convince your correspondent, Mr. Fairplay, that I have succeeded on showing a sufficient reason for the discontinuance of the present system. A MINE AGENT.

Milton Abbot MINE SETTINGS-TUTWORK AND TRIBUTE.

ST. JOHN DEL REY MINING COMPANY.

St. John Del Rey Mining Company.

Siz.—In your Journal of the 4th March, you inserted a few lines from me, in which I condensed several charges, which had previously appeared against the present management of this company's affairs in Brazil, and called upon the directors for a reply. The two following Numbers (the 11th and 18th) contained letters on the subject of slavary in general, and the employment of slave labour by English companies; but nothing in the shape of an answer to my letter was given until last Saturday, when your paper published a long and well-written article from "A Proprietor," who has had access to the company's correspondence. Without having, for a moment, doubted that the directors of the St. John del Rey Mining Company have ever been destrous to do all in their power for the happiness and comfort of the blacks in their employ, I was pleased to see the deep interest they take in their welfare; but, beyond this, I can reap nothing satisfactory from the letter of the "Proprietor" of the 22d March. He enlarges upon the slavery question, and passes over, unnoticed, five of the charges alluded to in my letter, slurring over the sixth—as he states, that any person taking the trouble of going to the office, could aspear to admit, that the overseer was promised a reward, as he says that such rewards are usually? and that the premium of 100, having been gained, the produce felt off, and are usually? and that the premium of 100, having been gained, the produce felt off, and are usually? A mid that the premium of 100, having been gained, the produce felt off, and are usually of was officer of the company, whose character no man can, with truth, speak lightly of, was forced to resign. Could not the "Proprietor" have learnt whether a person, filling an important office in the company's employ, had been dismissed from a neighbouring establishment?—Indeed the establishment? They are sixted to have left in disguet. The men are in this country; it is easy to learn their atmos, to aspect that what charact ineasures these charges depricate? My principal reason for addressing yon, in the first instance, was the paragraph in a "Shareloider" is letter, in your Journal of the 26th of February, referring to the promised reward of 1004, to the head captain, if the returns of gold reached a certain amount for three months censecutively. Than this, nothing can (to say the least of li) be more absurd; it is the duty of the mine agent at Morro Velho, to carry on the sinking, off-ving, and timber work of the mine, regularly sery sounds, and to work the stopes should be induced by the supplied with fair average lode atome—the sumps being sufficiently sunk to ensure stoping ground for the citure. I can understand a reward being given to a mining captain, for conducting the mine operations with regularity and success, but cannot see the policy, or common sense, of making his reward depend spore direct stances beyond his control, if he be honest—in his bands, if the reverse. On these os side, the breakings of a water-course might decrease the monthly returns, and no bissureatized to him; on the other, by working the best parts of the mine for three months, he might ensure 1004, but he devotes three lines, rather abruptly, to say, that paying overseens to commonly Brazil. This is, no doubt, true, but, in this instance, the head mine agent of Morro-Velho is said to have offered a reverse of future returns; it is not successes is commonly Brazil. This is, no doubt, true, but, in this instance, the head mine agent of Morro-Velho is said to have offered a reverse of 150 induce him to give the elawses under his charge a greater task than was allotted, to have been deprived. This is very different from giving a reward to a man for industry. The English carpenter, to whom the Brazilian overseer, Islators, as did he had been offered the returns, but when the Brazilian overseer, Islators, as did he had been offered the returns of the superintendent. The "Proprietor's letter is companied of the harbe, was unknown to the superintendent. Th

ed Morro Velho in September last, and a hint to you, Mr. Editor, that you admit

representation in your columns without sufficient southers.

I will only remark on "the hint "thus given you, that nuture ships line of my latter, of the let of Statch, has been answered by the "Proprietor," therefore, I may be considered as innecent of having made unfounded statements. Chess have said that the blucks have been severely fingaged; I only know it to be true, that they have been punished. It is a pity the "Proprietor" did not find room, in this long letter, to allude to this sulgict; but the main point of his latter is the statement of the "gentleman now in London, recently arrived from Brazil," who says, in rather peruliar English, that he to overlooked the establishment leat September. "With respect to his observation, that he to the English miners—some of whom he knew personally—were working well, and, of course, estaffed, I will only say, there are uses lately returned from Morre Velho and from parties who have known them from childhood in England, who spak vary discovering the price with have known them from childhood in England, who spak vary discovering of affairs at Morre Velho. The state of the blooks can, of course, estimony of those who have seen them.

Parties, who left the mines in November hast, who can have no interest in making a false stamment, openly declare the blacks to be most discontented and unlanger. The gentleman, whose authority the "Proprietor" alluded to, heard them say, that they should like to romain in Morro Velho, as they carned more money there—had more ment, Sec. This is printed in Italics, and may appear very strong evidence to a man who has more lived in a slave country, but to the care of one who has, it is alieve nonsense. Any one who has passed six months of his life in Beauli, must well know, that the slaves would say to, or in the presence of a friend of their master, just what would be most pleasant to that master to hear. It for urther states, that the pumping-engine at Morro Velho is the best in Brazil. I dare say it is, for Capt. Joyce and Mr. John Rous

COPPER MINERS' COMPANY.

The adjourned meeting of debenture holders interested in this company, was held on Tuesday, the 4th inst., to pase a resolution expressive of an opinion that it was desirable to preserve for the present the property of the company, and to give the trustees power to make, if possible, some arrangement for earrying on the works. At the same time, Mr. Cater and Mr. Harrison, as the committee appointed to inquire into the interests of the debenture holders, in connection with the affairs of the company, but who have not yet been able to complete their report, were requested to continue their services—and an adjournment was then made for a period which will allow the shareholders to hold their usual meeting, and determine on the course they propose in reference to future operations. Before, however, this decision was arrived at, a great deal of discussion took place on the lamentable position of the company's affairs—in the course of which it was stated, that not withstanding the proprietors had all along been led to believe that the business in which they were engaged was exceedingly prosperous, and fairly entitled them to the receipt of dividends, it now turned out that during the last eight years of management they had, in reality, incurred a loss of 350,0002. From what transpired, it appears to be thought that a sum of at least 150,0002. From what transpired it amount, and rescuing the property from premature sacrifice—which it seems to be considered would be the case if it were allowed to pass into the possession of the Bank of England for the realisation of the debt due to that establishment—that the late meetings have been called.—Mr. R. W. Carden, who, with Mr. Freshfield, Mr. Kingscote, and others, took an active part in the proceedings, especially enforced upon the attention of the shareholders the necessity of a speedy change in the executive of the company, to whom he attributed much of the misfortune under which they now laboured.

COLOMBIAN MINING ASSOCIATION.

COLOMBIAN MINING ASSOCIATION.

A special general meeting of shareholders was held at the offices, Austinfriars, on Thursday last, the 6th inst.,

J. D. Powles, Esq., in the chair.

The Chairman expressed his regret at the necessity the directors felt of calling the present meeting, for the purpose of proposing the dissolution of the association, in consequence of the continued increase of their liabilities, for which alone they (the directors) were responsible—as, by their deed of settlement, they could make no claim on the shareholders, who had all paid up their shares in full, which exonerated them from further liability. They had advanced considerable sums out of their own pockets, and gone on with the concern in hope of better results; but as there were of necessity continual claims for the supply of the mine, as well as the expenses of the establishment in London, although the latter were but small, they did not consider it advisable to proceed further with the adventure; at the same time, they had written out to their agents, to see if an arrangement could be come to with parties there to take up the concern, by which they would realise sufficient, he did not doubt, to cover their present liabilities, which were in round numbers 12,652/., and the assets in England amounted to 2600/t, besides assets in New Granada; he begged to remark, that in the arrangement with the parties above alluded to, the option would be given to every shareholder to take the same interest in the new concern as they enjoyed in the present company.

It appeared, from a statement read to the meeting, of the working of the mine, that from January to May a profit had accraed of \$1605; but, that from June to November, there had been a loss of \$7357, but the agent held out hopes of better results; at the same time, it was thought advisable to close the concern, and wind up the affairs of the company, which might be accomplished by Midsummer next. A resolution was then unanimously passed, dissolving the company, and authorising the direc

CALLINGTON MINES COMPANY.

In last week's Journal we gave the particulars of the fifth annual meeting of this company, and we now append Capt. J. T. Phillips's report read thereat, the insertion of which we were obliged to postpone:—

In last week's Journal we gave the particulars of the fifth annual meeting of this company, and we now append Capt. J. T. Phillips's report read thereat, in the insertion of which we were obliged to postpone:—

Cultington Mines, March 37.—The vessels with the materials and engine have arrived from Wales in good condition—the house at Kelly Bray is ready for the reception of the latter. The underground operations in this part have been very little in the past quarter; a small quantity of ores have been broken from the back, and a faw fathoms driven we are in the 25 fm. level; the lode here is 4 ft. wide, composed of a soft capel, and pench intermixed with black jack, mundic, and stones of copper ores. Having seen a cross-course in the lode; from present appearances, we do not calculate on any great returns from this depth, at the same time we look forward to partial bunches of copper ores, just who consider it advisable to continue the end to the same, to see the effect it may produce on the lode; from present appearances, we do not calculate on any great returns from this depth, at the same time we look forward to partial bunches of copper ores, just were not obtained to the lode; is leaving the gossan. The 70 fm. level is driven about 25 fms. sance we have not doubt of a favourable change taking place soon as this is met with. The bearing of the lode is leaving the gossan. The 70 fm. level is driven about 25 fms. sance we have no doubt of a favourable change taking place soon as this is met with. The bearing of the lode is of the lode is not show its part of the mine, we have commenced stoping the back by 12 men. You are aware we had driven though some poor ground within a few fathoms of the great cross-course; it is there that we began atoping, and if ma happy to inform you, that an improvement took place a few feet above the back, so that we have now a regular to an improvement took place a few feet above the back, so that we have now a regular to a few feet above the back. The 50 fm. level has been driven a

character of the lode. The 125 fm. level south, at the south mine, is driven, as you we preceive by the section, to the south of a cross lode; at this time the lode is 6 in, with producing silver-lessd cross; the air being rather destinath here, we have suspeeded the same until a better ventilation can be preduced; if the we intend doing by working it back on tribute, and putting in a stall for this purpose; in the north end the lede mixed with alter-lead ores. In the 112 fm. level scath we are opening tribute ground this end is near the intersection of the cross-course, seen in the level below; in the north end the lede is name also; but, as far, have found actibing rich in connection with 17be 100 fm. level north is now in the north part of the channel of elvans—this is some times found in one body, at other times esparated by a portion of killes at the point where these parts some together, we find the lode very productive, the portion of killes separating these parts is wider here than in any of the upper levels; in the present estal parameter, which will prove highly beneficial to the ventilation of this mine. The machinery through the arims is in good working quality. The 80 fm. level will some through the arims is in good working order, and our best exertions shall brought to bear mean the different objects which have a tendency to bring these mine is now profitable state of working.

TRELECHECH CONSOLIDATED MINES.

TRELEIGH CONSOLIDATED MINES.

A general meeting of shareholders was held at the offices of the company Old Broad-street, on Monday last, the 3rd inst.,
G. B. Carn, Esq., in the chair.

The SECRETARY (Mr. Nicholson) read the notice convening the meeting, and the following mining report from Capt. W. Richards:—

The SECRETARY (Mr. Nicholson) read the notice convening the meeting, and the following mining report from Capt. W. Richards:

Your being in possession of the weekly reports, I do not know that I can add much to them. You are also aware that the ground, east of Christoe's ahaft, is generally poor, with the exception of one pitch, in the bottom of the 90 fm. level, within 16 fms. of the boundary; and we are now driving the 100 fm. level to come under it. The I 10 has so far proved a failure, and we shall, ere long, see the lode in the 120 fm. level. In Garden's shaft, our levels generally have been driven a considerable distance east and vest; and, though we have passed through some good ore ground, they do not look so well as the 30 sma 90 east—still we have a good prospect before us in the 60 west, and hope, as we carry forward our deeper levels, they will prove equally good. You are also aware that, in the 100 fm. level, the lode has been disordered by a hard elvan; but, in sinking the shaft new down 6 fms.) levels, they will prove equally good. You are also aware that, in the 100 fm. level, where I hope to arrive in about two months, from the present state of the ground. In the Parent lode, our operations have been somewhat retarded by the western, and the lode more regular; we have, within the last few days, cut through it 4 ft. wide, and find some very good ore; and, from this improvement, we may fairly calculate it will prove productive again at the 110 fm. level, where I hope to arrive in about two months, from the present state of the ground. In the Parent lode, our operations have been somewhat retarded by the western, and though it is now divided by a horse of kills, but to months, from the present state of the ground. In the Parent lode, our operations have been somewhat retarded by the western to warrant it. In the last month, we have driven through a very fine-looking lode; and, though it is now divided by a horse of kills, the look was the holowing into the look as a month, are looked to the looked

The following financial statement, for three months, ending 31st March last,

was then submitted to the meeting:-							
Statement of Accounts.							
To balance in hand on 31st Dec., in cash and ore bills				. £	2094	10	2
Copper sold since—December	£77	3	3 1	1			
January	64	4	3	9			
February	. 76	0 1	4	2-	2178	1	10
Total				. £	4272	12	3
By monthly cost—December	£43	8	1	6			
January				3			
February	44	6 1	1	8-	1312	6	
Merchants' bills paid					517		1
Lords' dues					129		
Dividend paid			400		22	10	
Directors, secretary's salary, rent, advertising, &c.					92		11
Bulance at bankers, and ore bills in hand					2191		(
Petty cash	****		•••	٠	6	19	10
Total				. £	4272	12	8
ASSETS.							
Balance in hand in cash and ore bills					2198	15	10
Ore sold 30th March							
Less dues	. 35	1 4)—	783	7	0
Total				£	2982	2	10
LIABILITIES.							
Acceptances and claims				£	663	17	11
Lords' dues-owing					106	12	1
					47.65	-	0
Dividends-unpaid	****				69	0	· v

DARTMOOR CONSOLS TIN MINING COMPANY.—At a special general meeting of shareholders, held at the White Hart Inn, Great Coggeshall, on the 3d inst.—EDW. HOLMES, Esq., in the chair—it was proposed by Mr. JOSEPH BAKER, and seconded by Mr. EDW. CATCHPOOL, and resolved unanimously, that the minutes and resolutions of the meeting of the 21st Feb. last, be confirmed.—Proposed by Mr. STEPH. BARKER, and seconded by Mr. Jos. BAKER, that the company be applied in liquidation of the company's liabilities—carried unanimously.—Resolved, that a second special general meeting be held at the George and Vulture Tavern, George-yard, Lombard-street, London, on the 17th inst., at 12 o'clock, at noon, for the purpose of confirming the said resolution for dissolving the said company; and that notice thereof be given in the Mining Journal, and to the shareholders of the said company.

Wheal Arvosk.—A meeting of adventurers was held at the Queen's Head

at 12 o'clock, at noon, for the purpose of confirming the said crosolution for dissolving the said company; and that notice thereof be given in the Minney Journal, and to the shareholders of the said company.

WHEAL ARVORE.—A meeting of adventurers was held at the Queen's Head Hotel, St. Austell, on the 18th March, when the accounts to end of February, showing balance against adventurers (when arrears of calls to this date, 19th are paid) of 34th 4s. 6d., were examined and allowed; in addition to which, there is 10th to 15th to be paid on account of the deeds of the set.—It was resolved;—"That from the report given to this meeting by Capt. Hancock, of the Charlestown United Mines (who has this day inspected the mine), and Capt. Glanville, it is considered expedient to prove the course of the lode still further at the surface, especially at the point of intersection from the adit level; and that this meeting hereby empowers the committee to adopt the necessary measures to pursue this object, and also to make a call of 10a or 20s, per share, as they may consider necessary, for the effectual prosecution of the working of the mine, and to liquidate present liabilities."—On the 1st inat., Mr. H. W Higman, the secretary, forwarded the following report, from Capt. Hancock, dated St. Austell, March 3t;—"In compliance with the resolution passed at your last meeting, I set the men to costen the ground, as then agreed on; but finding no lode, I went and examined the shaft that was cleared up by Capt. Glanville, and instead of finding a fine gossan lode from 2 to 3 ft. wide, I found only a branch from 3 to 8 is. wide, composed of iron, gossan, and clay, underlaying 10 ft. in a fine, without one particle of ore. I have also carefully examined the other lodes in the sett, which are very poor and unkindly; and, in my opinion, there is nothing in the sett, that will warrant the outley of 1s. more."—The committee, seeing of shareholders was held at Pearce's Hotel, Trure, on Tuesday, the 4th inst., when the following statement o

the purposes of liquidating the above amount, a call of 12s. per share be made, and forthwith paid to the purser; and, if not paid within 14 days from this date, he be, and is hereby, authorised and empowered to take legal proceedings against defaulters, for the recovery of their respective amounts.

WHEAL CALSTOCK.—At a meeting of adventurers, held at the office, Old Town-street, Plymouth, on Tuesday last—J. L. COLLEY, Esq., in the chair,—the accounts were produced, showing beliance in hand of 22.11s. 7d.—they were passed, and a call of 1l. per share made. We shall give the particulars of the accounts, and the agent's report, in our next.

THE MARSTEG IRON-WORKS.—We regret to state that the Maesteg Iron Company, the blowing out of whose furnaces we noticed last week, and by which 300 or 400 men were thrown out of work, have become bankrupts, a flat having been opened against them in the Bristol District Court of Bankruptey. The firm consists of several partners, and their liabilities are between 100,000/. and 200,000/. The assets at present cannot, of course, be correctly ascertained, but it is stated that they are estimated at between 60,000/. and 70,000/. subject to a deduction for mortgages amounting to about 20,000/. The Maesteg Company were, it appears, in the habit of making advances to the Vale of Neath Brewery Company, which has stopped payment, and they now hold about 40,000/. of the bills of the Brewery Company. Mr. E. M. Miller has been appointed the official assignee to the estate.

been appointed the official assignee to the estate.

Bodding Electron.—The select committee appointed to inquire into the allegation of the petitions, presented to the House of Commons, against the return of Messrs. Lacey and Wyld, concluded its labours yesterday, by unanimously passing the following resolutions:—That H. C. Lacey, Esq., and James Wyld, Esq., are duly elected burgesses to serve in the present Parliament for the borough of Bodmin: that a practice prevailed at the last election, and has prevailed at former elections, of issuing refreshment tickets of the value of 5s. each: that it is not proved to the committee, that at the last election such refreshment tickets were issued with the knowledge or consent of the sitting Members, or their agents; and that the committee see no reason to give costs in respect to any matter arising out of the present proceedings. The sitting members, who were present, were warmly congratulated by their friends upon the favourable termination of this protracted inquiry.

ACCIDENTS.

Davier's Colliery, Aberdare.—On Friday last, three men were very severely burnt; n-deed, so scriously have they been injured, that the life of one of them is considered to be endangered, and the others are not likely to recover for some time.

Davies's Colliery, Aberdars.—On Friday last, three men were very severely burnt; ndeed, ao seriously have they been injured, that the life of one of them is considered to
be endangered, and the others are not likely to recover for some time.

Dreadful Death.—J. Jones, aged 63, met with his death in one of the Dowlais pits.

Hav's Hill Colliery, Brierley Hill.—W. Clarke was seriously injured by a fall of coal,
which became detached, and completely covered him in its descent.

Hay Green Colliery.—As R. Cook and a companion were ascending the pit in a skip, the
chain broke, and precipitated the poor fellows to the bottom.

Yew Tree Colliery, Kingassinford.—J. Conagh was killed by a fall of coal.

Merthyr—Dreadfully Fistal Accident.—As John Jones, aged 63, was engaged at the top
of one of the Dowlais pits on Friday wock, he became entangled in the rope, which had
the horrid effect of severing his beday so that it had to be carried home in a sack.

Another Explosion of Steam-Coal.—On Saturday morning last, an explosion took place
on board a foreign vessel in the docks, laden with Marthyr coal, by which much damage
was done to the vessel, and two men and a boy much injured—the boy sustaining a fracture of the arm. It is to be regreted that people will not learn wisdom by experience—
that masters of vessels who take Merthyr coal on board, will not use the precaution of
leaving the hatches open for a short time after the cargo is put on board, by which all
danger would be obviated.—Sucanses Herald.

The Colliery Explosion near Neath—Discovery of Twenty Bodies.—The explosion which
occurred at Eskyn's Colliery, near Neath and Britonferry, on Wednesday week, proved,
we regret to say, of a more appalling character than was represented—upwards of 20
human beings having been hurried into eternity. The colliery was worked by Mesers.
Penrose and Evans, and is situated at a distance of 1½ mile from the town of Neath, in
Glamorganshire. It appears that, on the morning in question, a considerable number
of colliers entered th

Singular Accident and Escape.—One day last week, as the horse and cart of Mr. B. Lowe were passing over the mouth of an old shift at the dock, at Dudley, which was probably covered in 200 years ago, the ground gave way, and both horse and cart were precipitated into the shaft, a part of which being too narrow to admit the latter, it became fixed by the wheels some yards below the mouth of the plt, the horse being suspended by its harness, from which, however, it managed, after struggling some time, to disengage itself, and fell to the bottom of the shaft, a distance of 30 yards. Some colliers immediately decended an adjoining pit belonging to Mr. T. Yardley, of the Round Oak; and after digging some time through the earth opposite the old worked-out pit, they came to the horse, which they found in a sitting posture, perfectly uniquired, if we except a few slight abrasions. The poor animal was raised to the surface, and proceeded to work as though nothing had happened. Besides this lacky escape, we may mention that, as the cart was being backed over the covered pit, and at the moment of the earth giving way, the brother of Mr. Lowe and a little boy, who were in the cart, were leveked out to the side of the pit's mouth, and thus probably escaped a horrible death.—Birmingham Journal.

**The Electric Telegraph Company,

the brother of Mr. Lowe and a little boy, who were in the cart, were lorked out to the side of the pil's mouth, and thus probably escaped a horrible death.—Birmingham Journal.

THE ELECTRIC TELEGRAPH.—The London Electric Telegraph Company, we are sorry to see, does not find it so advantageous on speculation as was at first expected; and last week they gave notice to 150 employés, mechanists, clerks, &c., that their services would be dispensed with for the present. Should the company not be better supported, in all probability a great number more will be discharged, the expenses being so considerable—nearly 3000 persons being employed on the different lines and the London offices, in various duties.

Improvement in Electric Clocks.—The application of electro-magnetic power, as a motive force in time-keepers, has engaged the attention, and excited the expectation, of many. Disappointment, however, has been experienced in the majority (I may say, in the whole) of those instances in which it has been applied; for, while continued motion has been secured, the uniformity of that motion has been found to depend on the prime mover, electricity—an agent well known, as most uncertain in its manifestation, from various causes which need not here be inquired into. The result of this has been, that the rate of the electrical time-keeper has been found to exhibit a series of accelerations and retardations, which have rendered it comparatively useless as a standard of mean time. It appears to me, that the cause of this irregularity is to be found in the manner of applying the electro-magnetic attraction. In most cases, this is effected by an immediate communication with the pendulum, which is made to carry either the electro-magnet, its armature, or a permanent magnet. It is obvious that, with such an arrangement, any variation in the attraction. The principle of the rumonior escapements is well known to those who have given their attention to horology. Their distinctive feature consists in the maintaining power being made to

and readers.—W. Herlor: City of London Literary and Scient fo Institution, April 1.

NEW METHOD OF BRONZING DIFFERENT METALS.—[Communicated to the French Academy of Sciences, by M. Becquerel. Translated for the Mechanics' Magazine from the Moniteur Industriel.]—I have been requested by Messrs. Brunel, Bisson, and Gaugain, to present to the Academy pieces of different metals, bronzed by a new electro-chemical process. In 1841, a method was communicated to the Academy of bronzing some few metals by the electric deposition of layers of brass or bronze (*laikonou de branze), and which necessitated the employment of double akkalne cyabides of copper and fine. It was, however, never-branch for negative, the grant of the description of the grant of the stress of the grant of the gr municated to the Academy of bronzing some few motals by the electric deposition of layers of brass or bronze (saison os de bronze), and which necessitated the amployment of double akialine cyahides of copper and zine. It was, however, never brought into practice, either on account of the sdearness of the cyahides, or for some other reasons not expressed. Mesers, Branel, Bisson, and Gaugain. have substituted for those cyanides for produce a counting of brass) an aqueous solution composed of -500 parts of carbonate of potant, 20 chloride of copper, 60, sulphate of zine, 250 asotate of ammonia. To obtain a bronze, a sait of this substituted for the sulphate of zine, 250 asotate of ammonia. To obtain a bronze, a sait of this substituted for the sulphate of zine, 250 asotate of ammonia. To obtain a bronze, a sait of this substituted for the sulphate of zine, 250 asotate of ammonia. The observation, cast-tron, steel, lead, sinc, tin, or alloys of any of these metals with some constant of the sulphate of zine, 250 asotate of a constant of the sait of th

Current Prices of Stocks, Shares, & Metals.

Bank Stock, 9 per Cant., 183 54
3 per Cent. Reduced Ans., 786 4
3 per Cent. Consols Ann., 804 5
3 per Cent. Annutites.
33 per Cent. Annutites.
4 per Cent. Annutites.
5 per Cent. Annutites.
5 per Cent. Annutites.
6 per Cent., 230
7 per Cent., Consols for Acc., 805
7 per Cent. Co

STOCK EXCHANGE, Salurday morning, Eleven o'clock. AGE, Salurday moraing, Eleveno'.

Reigian Bonda, 43 per Cent., 23

Brasilian, 5 per Cents., 28

Brasilian, 5 per Cents., 28

Secondary of the Cents., 26

Mcxican, 5 per Cents., 14

Spanish, 5 per Cents., 14

Ditto 3 per Cents., 17

Portuguese, 4 per Cents., 13

Russian, 5 per Cents., 75

Mines.-We cannot announce that a large amount of business has been transacted since our last, and what has been done appears to be in paying mines and others of a legitimate character. We make this observations from the fact, that we frequently hear of shares in setts or companies changing hands, when, upon inquiry, we find that little, if any, kind of mining operations have even been commenced—and at a period, too, when several new adventures are projected, and which are invariably introduced to the public at a premium, with all the promises and assurances of vast profitable results, which the ingenuity of needy or speculating projectors can imagine—whilst, at the same time, shares in permanent dividend-paying mines can be purchased at one-hulf the price demanded for shares in these new projections. By these remarks, we do not mean to condemn every newly-projected company, proposed for working new ground or suspended mines—for, indeed, there is not a dividend-paying mine in the counties of Cornwall or Devon but had been partially worked, and eventually suspended, at some previous time; but we carnestly recommend the speculating public, before they embarked their capital in new adventures, to make cautious inquiries of disinterested parties, before they parted with their money, lest they separate for ever.

The Treleigh Consols Company held their quarterly meeting on Monday last, when a dividend of 5s. per 5000th share was declared, with a balance of upwards of 1300l. in hand, including the reserved fund. The dividend of 1l. per 256th share in Wheal Trehane, declared at their last meeting, was paid on Tuesday last. The report is highly satisfactory. There has been demand for these shares during the week, and several transactions have been effected.

At Wheal Trelayary they cut the lode in the 62 fm. level, on Tuesday changing hands, when, upon inquiry, we find that little, if any, kind of

meeting, was paid on Tuesday last. The report is highly satisfactory. There has been demand for these shares during the week, and several transactions have been effected.

At Wheal Trelawny they cut the lode in the 62 fm. level, on Tuesday last, which was found productive, and, with other improvements, will, no doubt, create a demand for shares.

Several shares in Devon Great Consols have been down this week.

Bedford United has much improved since our last, and several transcations have taken place. A large number of Tamars have also been done; and also in South Wheal Betsey (a promising lead mine near Tavistock). South Wheal Francis, Botallack, Levant, and East Wheal Rose, have also been in request, but we are not advised of many transactions. In Wheal Ash, we learn that the considerable improvements which have manifested themselves of late, caused an advacue in the price of shares. Shares in the following mines have been transferred during the week;—viz., Devon Great Consols, Treviskey and Barrier, West Seton, Tamar, Trehane, West Wheal Treasury, West Wheal Tolgus, Caradon Copper, Marke Valley, South Wheal Betsey, South Trelawny, Bedford United, Wheal Mary Consols, Trelawny, Wheal Calstock, Wheal Mary (Redruth), We learn that the share list of the Bangor and Coytmor Slate Company is progressing in a highly satisfactory manner; and that a large number of shares have been applied for by parties of the first respectability, who are well conversant with the value and the importance of the property referred to.

erty referred to.

In foreign shares, the business has been very limited—we find that a few Australians, and Real del Monte shares, have been done; but we be-lieve that to be the extent of the market.

rew Austranans, and Keal del Monte shares, have been done; but we believe that to be the extent of the market.

Since our last we have to notice the following arrivals of specie:—On Monday, the Peninsular and Oriental Steam Navigation Company's ship Achilles arrived, with 16 packages of specie, at Southampton. On Wednesday, also, at Southampton, the Royal Mail Steam-Facket Company's ship Medicay arrived with a valuable freight, consisting of aliver bars and dollars on merchants' account, value \$182,881, gold coin, gold bars, and dust, value \$2,7144. British coin, value \$461; and 71 Ba. of platins, with general cargo of merchandise. We extract the following from the Times:—"The vessel Anne, arrived in the docks from Opric, has brought one os of doubloons, individually addressed; the steam-ship Columbine, from Havre, one package of precious stones, and one package of builton, similary directed; and the Royalist, arrived from Cape Fallmas, has brought 4 tons 3 cets. of Guines grains, addressed in the same manner. We believe that a large quantity of specie, which was specially noticed on Monday, as haying arrived by a vessel from Islay and Callae, South America, camprised nearly 4 tons weight of silver, independently of the gold specie, in ingots, dollars, and other coin, which also comprised consignments of very considerable amount. We believe that a portion, if not the whole quantity brought on that occasion, was destined for the continuit; but that its disturbed state caused it to be brought to this country. If this is, as we believe it to be, the case, it is a remarkable proof of the good effect of peace and order. These sarvias, in addition to the simultaneously large arrival of the same nature at the port of South-ampton, which was also sent up to the metropolis in the usual official and secure manner, for deposit in the Bank of England, have made an important addition to the already large stores of buillion and specie deposited in that establishment; and which have, by recent arrivals, been magnified, if not

HULL, THURDAY.—The market, with the smallest possible amount of business passing, is rather better for the lighter stocks, but any thing which requires a fair sum of money is difficult of sale, unless at reduced rates. This is, perhaps, more owing to want of confidence than actual want of money; but it is, nevertheless, the case—people at present seeming inclined to limit their operations to trifling amounts of stock.

RAILWAY TRAPFIC RETURNS.

Name of Railway.		Present ac-	Price	Last Div.	Traffic I	1
or become over the state of the supplier	Rway.	tunt cost.	pershare	DIV.	1948	1847
Birkenhead, Lancashire, & Chesh.	15	997,284	37	5 p. c.	£754	622
Caledonian	130	3,594.470	251	-	3419	1 -
Dublin and Drogheda	35	754,529	52	***	671	708
Dublin and Kingstown	7	473,282	-	7	1030	960
Dundee, Perth, & Aberdeen Junc.	47	415,073	27	8	787	253
East Anglian (Lynn to Ely)	554	1,062,742	52	1	464	-
East Lancashire	24	1.733,915	174	1	950	612
Eastern Counties	2214	8,259,709	124	4	11148	110054
Eastern Union	50	979,926	80	-	1121	934
Edinburgh and Glasgow	53	2,375,745	37	6	8318	3089
Edinburgh and Northern	29	953,207	18	-	1188	-
Glasgow, Paisley, and Ayr	641	2,097,321	852	7	2010	2319
Glasgow, Paisley, & Greenock	23	845,554	16	4	947	1004
Gt. Southern & Western, Ireland	1101	1.876,326	164	Trans.	2115	1170
Great Western	2814	10,970,636	84	7	17861	16513
Kendal and Windermere	101	169,888	23	1	117	-
Lancaster and Carlisle	70	1,395,193	434	THE PERSON	1487	986
Lancashire and Yorkshire	1245	7,597,618	86	7	8781	7918
London and North Western	428	21,513,354	122	8	37065	36650
London and Blackwall	4	1,241,061	44	12	842	819
London, Brighton, & South Coast	1611	6,087,822	271	4000	7145	6319
London and South-Western	189	6,264,164	414	SASO	7958	6646
Londonderry and Enniskillen	144	145,135	16	12007	E 1125 .	1
Manchester, Sheffield, & Lincolush.	46	2,336,624	80	5	2261	1838
Maryport and Carlisle	28	440,851	39	3	525	550
Midland Company	402å	9,853,122	91	7	18816	117955
Midland Great Western (Irish)	364	583,776	103	1000	e 1 24 25	197
Newcastle and Carlisle	664	1,184,080	1014	6	2130	478
Norfolk	812	1,624,150	60	. 4	1917	1 1560
North British	78	2,800,748	208	5	1903	1 1485
Shrewsbury and Chester	17	780,279	154	74	709	410
South Devon	29	1,609,071	20	.6	885	575
South-Eastern	1654	6,982,181	22	61	7124	6822
Taff Vale	38	820,056	10 mile 100	A CONTRACT	1789	11157
Ulster	36	646,211	59	6	837	778
Whitehaven Junction	12	147,095	DEB WORLD	6 :	1180	127
York, Newcastle, & Berwick	2424	4,466,526	284	9	10111	8603
York and North Midlend	2304	3,799,297	61	10	7666	5646

Amiens and Boulogne	684	573,388	51	S.D.FER - I	1240	1 -
Antwerp to Ghent (monthly)	31	-	-	-	1 1	-
Belgianditto	2 1	1000	TABLE .	4	1,000	-
Dutch Rhenish	574	11 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Dall Great	-	833	1046
Northern of France	211	2,000,000	24	4.4	10860	10826
Orleans to Bourges (Central)	1074	100 200	1000	-	352v	-
Orleans to Tours	72	600,000	321	4	2435	3000
Paris and Orleans	82	2.011.720	166	124	6924	7876
Paris and Rouen	85	2,082,916	111	114	3168	5924
Roven and Havre	598	100000	6	2500	1158	-
Strasburgh and Basic (monthly)	88	2.360(100)	B.//	1 15	5393	6168
West Flanders (ditto)	-	_	14	100	925	-

RAILWAY CALLS.—The amount of calls made in the present year have been as follows:— Months. Foreign. English, &c. Total.

LATEST CURRENT PRICES OF METALS. LONDON, APRIL 7, 1848.

SPELTER is a little higher this day (7th) than on the 3d inst., and may now be quoted at 13L to 13L 10s. In other metals no change to notice.

GLASGOW PIG-IRON TRADE, APRIL 5.—The unsettled state of the continent has caused to be brought into the market, for sale, this week, a considerable quantity of pigiron, which had been destined for shipment to that quarter. This has caused a further decline in prices, and we, therefore, can quote lower than in our last. The low prices are bringing a number of orders from the bronfounders throughout the country, who are fast supplying themselves To-day a large parcel was offered for sale—for cash downand brought 40s. Several small parcels of mixed Nos. were sold at 41s.—cash.

MONTHLY REPORTS.

Sugary Zino has failed 4.7 of 5.6 per ton.

Quicasylvae was reduced in past month 6d. per lb.

Inox—In Welsh and Staffordshire (although the unsettled state of continental affairs has lessened the amount of current business) the price has not been so materially affected as might have been anticipated—several of the makers being well supplied with orders previously taken, while the stock of bar-iron throughout the world is very moderate. Makers of rails show no disposition to reduce prices. Scotch pig-iron has, however, declined very much—partly owing to the expectation that considerable quantities bought during the winter, and intended for shipment during the spring and summer to Germany, may be thrown upon the market for resale, and partly to the circumstance that some large holders have been selling theu stocks. Considerable business was done from 48s. per fon, down to 42s. cash, for all No. 1, and, in some instances, for interior brands 40s. per fon, down to 42s. cash, for all No. 1, and, in some instances, for interior brands 40s. per fon was excepted. The market has, however, again railled to about 41s. to 42s. mixed Nos., and 42s. to 43s. per ton, all No. 1. Those prices have drawn the attention of speculators and consumers to the article, as they are under the cost of production; while the stock of Scotch pig-iron is much smaller than for several years past, and the makers who are for the present supplied with orders, are not sellers at current rates.

System has sustained a very heavy fall in price. Political events in France, which country is one of the largest consumers of the article, have entirely destroyed the usual demand from that quarter for Silesian and Belgian spelter, nearly the whole of which is consequently expected to find its way to this market. Business is said to have been done so low as 12i. 10s. per ton, the market has assumed a somewhat firmer aspect. The low price has caused the English makers to blow out their furiaces; and, as it is under the cost of production on cake and tile. S

ne. PLATES are in slight request, and prices are nominal. In has declined in price; the enquiry for the article is not great. DICKSILVER, a rejuction of 6d. per lb. has taken place.

In Quicastives, a re inction of 6d, per lb. his taken place.

The Iron Trade, approaching to a three months cessation from labour, must have operated powerfully in working off stock. No use of iron, notwithstanding the strike, was absolutely intermitted, and a large consumption must have gone forward, although the demand for railway purposes, looking at it in comparison with its previous extent, had become reduced almost to extinction. The order of events was this:—The money panic, stoppage of railway works, then the strike. However severe this paralysation of industry has been felt, it is yet of high consideration to the iron-maker, master and man, to take into consideration the presumed result of an almost unlimited manufacture, while there was no demand, or only a very limited one. The dilemma was unpleasant, but the events seem to fit. Suppose production to have been carried on, what, at this time, would have been the position of the trade? Manifestly, a rush into the market seell at whatever price that might be obtainable. The "weak" firms must have sold for what they could got: those paying fair wages, and desiring fair profits, would have been forestalled in the market; and, suppose they could have borne stock throughout the struggle, they could not now have got any suitable return: they must either have failen in with the stream, or have kept their iron stacked up. We do not set all this down to forecast; but we think it useful "to point the uses of adversity." As we have hinted, after so long a cessation of supply, something like briskness of demand might have been expected. Nothing of the sort, however, arose; and the event demonstrates that a three months' supply of iron would have been cast upon the world without real service to any one. How long, then, in the face of such a circumstance, could the present price of iron be maintained?—or rather, what would have been the price to which it must have receded? Wages and profits, and value of stock and plant, must allke have gone down. The meeting of iro

THE TIMBER DUTIES.—The following new and reduced duties on timber and wood goods came into operation on Thursday last:—Timber or wood, not being deals, battens, boards, staves, handspikes, ores, lathwood, or other timber or wood, sawn, split, or otherwise dressed, except hewn, and not being timber otherwise charged with duty, the load, 15s.; deals, battens, boards, or other timber or wood, sawn, or split, and not otherwise charged with duty, the load, and not otherwise charged with duty, the load and not otherwise charged with duty. otherwise charged with duty, the load, 15s.; deals, battens, boards, or other timber or wood, sawn or split, and not otherwise charged with duty, the lode II. Is.—or, in lieu of the duties imposed upon wood by the load, according to the cubic contents, the importer may have the option at the time of passing the first entry of entering battens, batten-ends, deals, deal-ends, and planks, by tale, if of and from foreign countries, according to their different dimensions and rates of duty, in which a considerable reduction is made, varying from one-fourth to a moiety of the rates of duty hitherto levied thereon; staves, the lead of 50 cubic feet, 18s.; firewood, the fathom of 216 cubic feet, 6s.; hand splices, not exceeding 7 ft. in length, the 120, 12s.; exceeding 7 ft. in length, the 120, 11. 4s.; tathwood, the fathom of 216 cubic feet, 1/4. 4s.; oars, the 120, 4/4. 10s.; spars or poles, under 22 ft. in length, and under 4 in. in diameter, the 120, 12s.; 22 ft. in length and unwards, and under 4 in. in diameter, the 120, 12. 12s.; spars, of all lengths, 4 and under 6 in. in diameter, the 120, 22. 8s.; spokes for wheels, not exceeding 2 ft. in length, the 1000, 1/4 s.; exceeding 2 ft. in length, the 1000, 1/4 s.; exceeding 2 ft. in length, the 1000, 1/4 s.; exceeding 2 ft. in length, the ouble foot, 4d; and further, for every 1002 value, 104.

Seecce from Ireland.—The vessel Preussischer Adler, arrived in the River

Specie From Ireland.—The vessel Preussischer Adler, arrived in the River Thames from Cork, has brought, as a portion of her cargo, 10 boxes of specia. This is a second arrival of specia, to a similar extent, within a few days from Cork; and we, thesefore, make especial mention of it, as being particularly remarkable, and of very unusual occurrence.

PRICES OF MINING SHARES.

BRITISH MINES.	BRITISH MIKES continued.
Shares. Company. Paid. Price.	200 South Harvannah 10 95
512 Albert Consols 1 24 1024 Alfred Consols 44 18	256 South Tolgras 74 42 256 South Trelawney 20 11 128 South Weelal Baset 164 20 128 South Wheal Baset 110 70
235 Andrew and Nangties 78: 112	128 South Yeoland 16j 20 128 South Wheal Basset 110 70
1000 Antimony and Silver- Lead Mining & Smelting 3 5	236 South Wh. Betssy 21 6 124 South Wh. Francis 160 235 236 South Wh. Hops 5
1634 Balleswidden 9 18 138 Balnoon Consols 25 25 10000 Banwen Iron Co 2	256 South Wh. Hops 5 1000 South Wh. Maria 21 2
1000 Barvistown 44. 3	
1900 Barristown	10000 Southern&Western,Irish 2 4 280 Spearne Moor 30 40 256 St. Austell Consols 6
8000 Blannavon 50 23	94 St. Ives Consols 320
100 Botallack 5 7	128 St. Michael Penkivel 5 104 999 St. Minver Comols 1 6
10000 British Iron, New, regis. 10 13 — Ditto ditto, scrip 10 10	1000 Stray Park
128 Buchly 20 21	9600 Tamir Consols
128 Callestock	1000 Tin Vale 2 31
256 Caradon Copper Mine 94 3	128 Tokenbury 1474 10 256 Trehame 2 261 5000 Treleigh Consols 6 3
256 Caradon Mines 22 17 256 Caradon United 24 5	2000 Trensuce 2 50
256 Caradon Wh. Honner 21 19	96 Tresaveau 10 210 120 Tretheilan 5 . 16 120 Treviskey and Barrier 130 125
1000 Carn Brea 15 90 3000 Carthew Consols 14 6 2048 Cascade 1 2	
112 Charlestown220 30	100 United Mines 300 350 256 Wellington Mines 15 25
166 Chresand 9 1-4 512 Conditibe Hill 4 1-4 1900 Combmartin 74 3 500 Combmart 94 5 128 Comfort 45 90 256 Condurrow 20 30	128 West Basset 45 25 256 West Caradon 20 100
500 Combiawn 54. 6	128 West Cargoll 2 . 12
256 Condurrow 20 30	512 West Fowey Consols 40 18 256 West Providence 9 25
2560 Cook's Kitchen	200 West Seton 40 . 130+35 — West of Scotland IronCo. 210 210
1000 Copper Bettom 12 - 62 1024 Cosheen 44 . 20	120 West Trethellan 5 30 256 West United Hills — 5-8
1090 Copper Bettom	512 West Wheal Francis - 13. 5 256 West Wh. Friendship - 9 12 3845 West Wheal Jewel - 11 14 2560 West Wh. Maria - 3 1
500 Cabert Mine 124 10	3845 West Wheal Jewel 11 14 2560 West Wh. Marla 3 1
300 D.Prior & Buckfastleigh 14 26	256 West Wheal Shepherd. 5 24 256 West Wheal Tolgus 212 7
7500 Demeiza Mines 2	256 West Wheal Treasury 19 15 5200 Wicklow Copper 5 104-11
1024 Devon Great Consols 1 310	184 Wheal Adams 51 10 1000 Wheal Agar 10
186 Dolcoath 30 50	1000 Wheal Albert
10000 Durium County Coal. 45 3	256 Wheal Allen 2 5 240 Wheal Anderton 21 28
256 East Alvenney 10 121	Al2 Wheal Ann. Bridford. 1 2
112 East Caradon 47 47 47 48 512 East Combe Silver-Lead 61 61	512 Wheal Anna Marla 34 . 5
128 East Pool 5 15	512 Wheal Anna Maria 3 5 5 1024 Wheal Ash 4 6 120 Wheal Bal 5 20 2560 Wheal Barbara 1 4 4 5
- East Wheni Albert 22 40	256 Wheal Benny 101 6
— East Wheal Albert 1 3 94 East Wheal Crofty 125 280 1024 East Wheal Fortune 2 3	256 Wheal Bucketts 20 5 256 Wheal Calstock 3 5
128 East Wheal Rose 50 950-1100	136 Wheal Clifford190 190 1024 Wheal Coad 5
2048 East Wh. Rough Tor	128 Wheal Courteany — 20 6000 Wheal Curtis 3 31
123 East Wheal Seton 14 15 256 Elborough 14 2 256 Exmoor Wh. Eliza 34 6	256 Wheal Dyke 12 13 256 Wheal Fortesche 64 5
512 Fowey Consols 40 45	2048 Wheal Frederick 2 2 388 Wheal Franco 27 32
6400 Gadair	128 Wheal Harriet 45 50 256 Wheal Jane 21 15
4000 Gen. Mining Co.for Irel. 14 1 2048 Georgia Tin Mines 14. 14 256 Gonamena 324 . 30	112 Wheal Margaret 79 350
128 Geonvrea 4 14 2444 Grambier & St. Aubyn — . 10	256 Wheal Mary Consols 40 26
100 Great Consols 1000 400 256 Great Callestick Moors 22 25	210 Wheal Prospect 4 7
2560 Great Michell Consols 14 34 256 Great Resugga Moor 11 10	2048 Wheal Samson 1 20
512 Gt. Wh. Rough Tor Con. 151. 18	99 Wheal Seton214 900 256 Wheal Sisters 304 17 256 Wheal Sophia 54 10
956 Guinour Consoln 7	256 Wheal Sophia 51 10 128 Wheal Spearne 10 75
256 Harodscombe 54 44	128 Wheal Spearne 10 75 128 Wheal St. Ann 9 15 — Wheal Trescoll 1 124
256 Herodsfoot	250 Wheal Tremwiney 75 90
1000 Holmbush 19 9	256 Wheal Tremayne 35 15 128 Wheal Trew 20 21
827 Kirkendbrightshire 5 . 5 2048 Lamherooe Wh. Maria 11 . 4 138 Lelant Consols 90 . 60	ose Wheel Trevenne . 9 A
	92 Wheal Tryphena
1000 Lewis	184 Wheal Vyvyan
256 Lostwithtel Consols 15 15 6000 Marke Valley 10 21	to a statute and sparters
5000 Mendip Hills	FOREIGN MINES.
& Slate Slab Co	5000 Alten Mining Company 141 22 15000 Astarian Mining Co 12 4
256 New East Crowndale 3f 3f	20000 Australian 24 · 3 10000 Anglo-Mexican Co100 · 2
128 North Fowey Consols 37 34 100 North Pool 45 450 140 North Roskear 51 130	12374 Ditto Subscription 25 24
256 North Wh. Abraham - 1 - 1 262 North Wh. Leisure - 1 - 2 128 North Wh. Providence 2 - 3	6000 Barossa Range 2 3000 Bolanos
	10000 Calan Compan Co. 40 19
128 Par Consols	5000 Colombian Co. regis 55
4000 Pennant	5000 Copiapo Mining Co 14 21 10000 General Mining Ass'n. 20 . 13
128 Perran Wh. Virgin 91 10 512 Plymouth Wh. Yeoland 64 23	5000 Kinzigthal Mining Ass. 2 4-41 20051 Mexican Company 59
	2000 Mexican & South Amer. 7 18
112 Providence Mines 35 45 10000 Rhymney Iron 50 20 10000 Ditto New 7 64 2500 Rhoswhiddol Mine 10	29320 { Ridel Monte, regis. } 282 1}
2500 Rhoswhiddol Mine 10	Ditto Red Debentures 10
- Shotts Iron Company. 50 50	7000 Royal Santiago 10 6
1100 South Dolcoath 3 24 128 South Caradon 10 450	2000 Pachuca Mines 4 41 11000 St. John del Rey 15 7
256 Sth. Friendeh. Wh. Aun 16 25	13174 United Mexican Av. 284 14

* We should feel greatly obliged by agents, or others interested, furnishing us with such corrections for our Share List as we may not have received through our usual channels of information—our object being, to present as accurate a list of prices as can be obtained—to procure which, we solicit the aid of correspondents in general.

COAL MARKET, LONDON. PRICE OF COALS PER TOR AT THE CLOSE OF THE MARKET.

MONDAY.—Car's Hartley 146—Davison's West Hartley 146—Holywell Main 15—
North Ponton 196—New Tanfield 13—Ord's Redheugh 136—Walker's Primrose 126—
Wylam 143—West Wylam 143—Covpen Hartley 146—South Dur'am 15—Wallis End
Eden Main 16—Hetton 17—Lambton 169—Russell's Hetton 169—Shotton 16—Hartlepool 169—Hutton 17—Lambton 169—Russell's Hetton 169—Shotton 16—Hartlepool 169—Hutton 17—Lambton 169—Russell's Hotton 169—Ships, 47; sold, 36.
WEDNESDAY.—Carr's Hartley 18—New Tanfield 13—North Percy Hartley 146—Walker's Primrose 126—Wylam 143—West Hartley 15—Cowpen Hartley 159—Dewentwater Hartley 146—Wall's End Bell and Brown 166—Bewicke and Ce. 156—Hedge
156—Heaton 156—Riddell's 15—Walker 16—Haswell 17—Russell's Hetton 169—Hough
Hall 156—Teos 17.—Ships at marker, 25; sold, 19.

FRIDAY.—Chester Main 146—Davison's West Hartley 15—Dean's Primrose 13—Holywell Main 15.—New Tanfield 18.—Ponce Witsche 169—169.

Tour Main 160—More Tanfield 18.—Ponce Witsche 169.

Tour Michael More 146—Tour New Witsche 169.

Tour Michael More 146.—Tour Witsche 169.

Tour Michael More 146.

Tour Michael More 146.

Tour Michael More 146.

Tour Michael More 146.

Tour Michael 159.

Tour Witsche 169.

Tour Michael 169.

169.

Tour Mi

FRIDAY.—Chester Main 14 6—Davison's West Hartley 15—Dean's Primross 13—Holywell Main 15—New Tanfield 15—Poutop Window 12 6—Tanfield Moor 14—Townley 14 — Walker's Primrose 12—West Wylam 14—West Hartley 15—Well's End Bewicke and Co. 16 6—Framwelligate 14 3—Heddley 15 6—K lingworth 15—Walker 14 9—Wharm-cliffe 15 6—Eden Main 15 6—Behnont 16 3—Braddyll's Hetton 16—Bell 15 9—Grange Lyons 15 6—Hawell 17—Hetton 17—Leasingtherne 15—Lauthon 16 6—Murton 16—Morrison 15 6—Ressell's Hetton 16—Shotfon 16—Stewart's 17—Hyer's Green 14—Hartle-pool 17—Hadson's Hartlepool 15 6—Kellos 16—Thornley 15 6—Adelaide 416—Brance-path 14—Denison 15 3—Seymour Tess 18 6—Tess 17—West Hetton 15 3—West Cornerth 14—Cowpen Hartley 15—Howard's West Hartley Netherion 15—Sidney's Hartley 15—Howard's West Hartley Netherion 15—Sidney 15—Howard 15—Howard 15—Sidney 15—Howard 15—Sidney 15—Howard 15—Sidney 15—Howard 15—Sidney 15—Howard 15—Sidney 15—Howard 15

NEW PATENTS.

B. G. Babington, George-atreet, Hanover-square, Middlesex, M.D., and J. Spurgin Guilford-street, Middlesex, M.D., for improvements in the manufacture of metallic gens J. Coates, Seedley, Lancastire, calloo printer, for certain improvements in machinery or apparatus for printing calicoes and ether surfaces.

M. J. J. Donlan, Esq., of Abbots, Brousley-house, Staffordshire, for improved compounds or mixtures to be used for lubricating machinery.

T. J. Knowiys, Heshain-town, user Lancashire, and W. Fillis, of Shirley, Hants, for improvements in generating, indicating, and applying hest.

J. Foot, Spital-square, Middlesex, or improvements in the manufacture of sieves.

J. Pibrow, Tottenham, Middlesex, engineer, for certain improvements in propelling upon realizerys and canala, and in the apparatus or machinery by which the same is to be accomplished, — Mechanica Magazika.

DATENT IMPROVEMENTS IN CHRONOMETERS WATCHES, AND CLOCKS.—E. J. DENT, #2, Strand, and 33, Cockspur-street, watch and clock maker, BY APPOINTMENT, to the Queen and his Royal Highness Prince Albest, begs to acquaint the public, that the maunfacture of his horronometers, watches, and clocks, is secured by three separate patents, respectively granted in 1836, 1842. Silver lever watches, lowelled is four holes, 6; s. each; it modic cases, from 25 to £10 extra. Gold horizontal wa ches, with gold disk, from 5 gs. to 12 gs. early DENTS PATENT DIPLIEDOSCOPE, or meridian instrument, innov ready for deliver. Pamphlets containing adescription and directions for its use is each, but to enstomers gratis.

THE COPPER AND LEAD DUTIES.—On the House of Commons going into committee on the Copper and Lead Duties Bill, the Chancellor of the Exchequer is to move that, in lieu, and instead of, the duties of customs now payable in respect of the articles enumerated in the schedule hereunto annexed, upon their importation into the United Kingdom, there shall be levied, collected, and paid, the rates and duties specified in the said schedule:—— s. d. Copper, ore of, per ton 10, old, fit only to be manufactured, per ton 10, old, fit only to be manufactured, per ton 10, part wrought—viz.: horisto or pigs, rose or cast copper, per ton 10, part wrought—viz.: bars, rods, or ingots hammered or raired, per ton 2 6 in plates, and copper coin, per ton 2 6 Load, pig and sheet, per ton 3 6 Load, pig and sheet, per ton 4 6 Load, pig and sheet, per ton 5 Load, pig and sheet, per ton 5 Load, pig and sheet, per ton 6 Load, pig and sheet, per ton 7 Load, pig and sheet, per ton 9 Load, pig and sheet, per ton 10 Load, pig and sheet, p

RESUMPTION of COLLIERY OPERATIONS IN SOUTH WALES.—We announce with much satisfaction, that the unlucky and impoverishing difference, or "strike," between the proprietors and workmen—which, we believe, has exceeded in duration any previous stand out—has at length terminated, and that our suspended trade will be immediately again in action.—Mommonth. Merlin.

PORT OF CARDIFF—COAL AND IRON.—Mr. W. D. Bushell, of the Taff Vale Railway, has just completed a return of the tonnage of the two great products of South Wales, exported from the port of Cardiff in the year 1847—yiz: iron, 229,953 tons; coal, 608,943 tons.

Owing to the dulages of the times.

Owing to the dulness of the times, seven of the ironstone pits of the Glengarnock fron-Works, at Kilbirnie, have ceased working; which will, it is said, east out of employment about 200 men.—Greenock Advertiser.

The largest steam-engine ever made in Ireland is now being shipped at Bel-fast, for the Pacha of Egypt.

LEAD ORES

	Sold in Wal	es.		10 - 10 - 10 - 10 - 10 - 10 - 10 - 10 -
Mings.	Tons.	Price.	6	Purchasers,
	Sold at the M	ine.		IN A THE TAX BATTE
East Wheal Rose				
ditto	70	12 5	6	ditto
ditto				
Wheal Trelawny	80A	13 18	6	Walker, Parker, & Co.
HOWER STORY OF THE STORY OF THE STORY	Sold at Holyn	vell.		SECTION WINE SETTING
Cwmystwith				
Strontian	50 4	9 4	0	Mather & Co.
Cairnsmore	30	8 14	0	Walker, Parker, & Co.
ditto	11	7 5	0	ditto
Peel	80	9 15	0	ditto

SILVER-LEAD ORE.

			-,	
Mine.		Tons.	Amount.	Purchasers.
Wheal	Rose	55	£18 11 0	B. Somers,
	Amou	nt of money .	£1020	58.

COPPER ORES.

Mines.	Tons			Pri			Mines. Tons. Pri	¥.
North Pool	125		£4	8	6		Camberne Vean 55 £4 15	0
ditto	121	****	2	. 8	6		ditto 49 3 17	0
ditto	109	****	4	13	0		Dolconth 85 3 3	6
ditto	108		3	19	0		ditto 83 3 17	6
ditto	100	****	. 4	13	0		ditto 74 5 7	6
ditto	93		2	18	6		ditto 24 1 8	6
ditto	92		4	1	6		Fowey Consols 90 6 9	6
ditto	76		3	2	6		ditto 89 5 9	0
ditto	60		8	12	6		ditto 82 4 3	0
Wh. Seton	136		5	14	6		South Wh. Basset 57 4	6
ditto	125		5	9	6		ditto 54 4 19	
ditto	116	** **	5	11	0		ditto 53 2 4	6
ditto	104		- 5	11	6		ditto 46 6 16	
ditto	103		4	10	0		ditto 32 6 8	0
ditto	98		6	2	6		ditto 11 2 10	
ditto	88	****	4	11	0		ditto 1 33 3	
Tincroft	93		2	18	6		Condurrow 68 3 17	6
ditto	76		2	17	6		ditto 56 3 A	6
ditto	75		2	6	0		difto 55 3 5	. 6
ditto	64	****	1	7	6		ditto 44 1 11	0
ditto	63		1	13	6		ditto 15 0 19	0
ditto	59	****	4	3	6		South Wh. Francis 76	.0
ditto	50		9	14	0		ditto 51 9 8	6
ditto	44		ī	15	0		ditto 41 10 W	6
ditto	40		5	7	0	1	Print Dunit no	6
ditto	37		7	6	6	- 11	4144	0
East Wh. Crofty			4	12	6		Ates	6
ditto	95	****	4	19	6		wark the board and	
ditto	65		0	8	0		4144	.0
ditto	51	****	A	16	6		***************************************	0
ditto	39		9	3	6			0
Dudnance		****	0	19	6			6
ditto	54		5	13	0		0 11 111 11	
Longclose			0	11	6			0
ditto	49		4	18	0			6
Camborne Vean	95	****	3	18	0	- 1	Lanivet Consols 43 2 7	0
ditto	86	** **	9	10	0	55	Wh. Tryphena 16 19 1	0
ditto	68	****	4	13	0		Wh. Rose 7 8 13	6
		** **	9			1	ditto 8 3 14	0
ditto .	67 66			16	6	. 7	Polgooth 11 10 12	6
ditto					6	514	West Basset 10 5 18	0
ditto	50	10.55		16	0	1.00	Copper Bottom 8 8 10	0

Afternoon to the second	Tons.	Amount:
Mines Royal	. 1964	£566. 0 .6
Vivian and Sons.	19474	5910 6 A
Fraeman and Co.	ARY	SUMM 44 W
P. Grenfell and Sons	79/1	9746 B G
Crown Copper Company	45	201 7 6
Sims, Willyams, and Co	. 6414	9417 5 3
Williams, Foster, and Co	1524 /	7949 17 - 0
Schneider and Co	. 100 marca	681 11 6
LOS TENEDES DE LA SERVICIO DE COMPANSO DE LA COMPANSO DEL COMPANSO DEL COMPANSO DE LA COMPANSO DEL COMPANSO DEL COMPANSO DE LA COMPANSO DEL COMPANSO DE LA COMPANSO DEL COMPANSO DE LA COMPANSO DE LA COMPANSO DE LA COMPANSO DEL COMPANSO DEL COMPANSO DE LA COMPANSO DEL COMPANSO DE LA COMPANSO	- THE R. P. LEWIS CO., LANSING	-

Oppper oros for sale en Thuraday next, et Androw's Hotel, Redruth.—Mines cels.—Carn Bres 1691—Par Consols 470—Wheal Prosper 200—Wheal Tremay Wheal Rodney 56—Gwinear Consols 91—Wheal Jane 81—Wheal Agar 50—No Hasset 78—Great Work 64—Wellington Mines 56—Treano Consols 10—Fo United Mines 5.—Total quantity for sale, 2495 tons.
Copper ores for sale on Thursday week, at Andrew's Hotel, Redruth.—Mines cels.—Devon Great Consols, Wheal Josish, Wh. Maris, Wh. Fauny, and Wh. An 1339—West Caradon 318—Fowey Consols 773—Marke Valley 341—Wheat Fr 231—West Wheal Jews 155—Bedford United Mines 143—Holmonic 56—Mose 46—Phomist 43—West Fowey Consols 20—The Caradon 329—River Hill 38—60

QUARTERLY SALE OF COPPER ORES IN CORRESALL-MAN Copper oras, 27,547 (21 cwts.)—Fine copper, 3/21 tons 15 cwts.—Apace, 192,5171, 9s.—Ave. procues, 9/1-16th;—Ave. standard, 971, 18s.—Ave. price ;

NOTICES TO CORRESPONDENTS.

We should feel obliged to all pursors, captains, or adventurers, to forward purlars of meetings, &c., of the mines with which they may be connected, on earliest opportunity, that they may be published in the Journal with as little law as resulting a property of the control of

hy as possible.

Recurs Discoveries in Electricity—We have received a long letter from Mr. Ishat Baggs, in reply to Dr. Murray, in last week's Journal. The crowded state of our certains would prevent us inserting so lengthy a controversial cpistle—extering so manifely and logically, as it does, into all the points advanced by the Doctor—but, we think our correspondent will have no cause to regret its omission, as it would be sure to click a raply, and the dispute thus, perhaps, be provokingly prolonged. We shall, however be happy to afford space for the papers promised by Mr. Baggs, in which he intendent entring fully into the details of the discoveries in electricity—the reforence to which has occasioned the late correspondence between him and Dr. Murray.

'A Miner" (Leeds) should address his letter to Dr. Clanny, Sanderland, who, doubtless will forward him the particulars he requires.

W. R." (Bath) is informed, that all the information we have on the subject appeared in last Journal.

A Subscriber" (Wicklow). —The Numbers are out of print, and we know of no sof precuring them.

of precuring them.

Ainsealogical. Nonemiclature.—Siz.—An author, named Allan, published a book in
Edinburgh, 1814, entitled. Hineralegical Noncoclature—alphabetically arranged, with
synoptical tables of the chemical analyses of minerals—second edition. I should feel
obliged if some one of your readers would inform me, it there be any later edition, or
any similar work published, of a more recent date?—Or if they could recommend me
any good author on chemical nomenclature in general.—Trae: April 5.

must impress upon our correspondents, the necess cir names and addresses; not that their commu-ticed, but as an earnest to us of their good faith. sity of invariably furni

he Mining Journal is published at about Eleven o'clock on Saturday morning, at the office, 36, Fleet-street, and can be obtained, before Twelve, of all news agents, at the Bloyal Exchange, and other parts of London.

Now ready, price 2s

A Slossary of Mining and Smelting Cerms,

USED IN ENGINE AND PORTION MINING DISTRICTS.

d at the office of the Mining Journal, 26, Fleet-street, London; and may be has of John Weale, 59, High Holborn; and through all booksellers in town and con

THE MINING JOURNAL

Unilway and Commercial Sagette.

LONDON, APRIL 8, 1848.

It was both our hope and our opinion, that the electric clouds which, for some weeks past, have been flashing all over Europe had nearly spent themselves, or were rolling off into distant and unknown regions; but we regret to say, that if there is no actual organisation, there is no appreciable abatement of the storm, which has surprised and affrighted the south-western districts of Europe. A movement in the political element of Christendom, so extensive and so profound, is without a parallel since the ago of the Crusades—when, beneath the tyranny of a more excusable fanaticism, the loose population of continental and insular Europe rushed eastward to the rescue of the Holy Sepulchre, as now the loose population of the continent is everywhere rushing throneward, to pluck from sovereigns the sceptre of their power. There is one lesson which the circumstances and the occasion must not fail to teach kings, and all who may be continued in authority—that Government exists chiefly, if not wholly, for the benefit of the people—that the classes who do the drudgery, and accomplish the laborious tasks of the commonwealth, are just those whose convenience and accommodation must be more extensively consulted—that they must enlarge and liberalise the ground plan of the political edifice, if it is ever to bear safely the pressure of the superincumbent masses—that the doors, in fact, of the national have must be widened, in order that the crowds of working bees may everywhere go in and out, and find pas-ture. In presence of this almost universal fever, it was in the nature of things that trade and commerce should be hurt and impeded; but, we are happy to say, they are making progress in spite of their hindrances, and rallying notwithstanding their wounds. The best judges have felt, from the first, that the checks which the ordinary business of the kingdom had to encounter, would be but transient; and we are happy to learn, that the trade circulars of the great horsest in the porth and manufacturing districts of England, instify houses in the north and manufacturing districts of England, justify us in looking to a fair spring and summer trade. We think it also highly probable that there will be a considerable increase in the railway expenditure, on the absolutely good and necessary lines, during the open months of the approaching season. The circumrallway expenditure, on the absolutely good and necessary lines, during the open months of the approaching season. The circumstances of the country and of the continent, make it a matter of policy, as well as of profit, that all practicable means be adopted to employ the masses of our labouring population. Mining occupations continue steady and progressive. It is not open, as a separate interest, to those extremities of ebb and flood, which disturb other departments of the commercial ocean. It is yielding now, as for a long period it has done, an amount of remuneration to those holders as a body, which will bear comparison with the most productive and profitable works which make up the resources of this great country—resources, it should also be observed, which, shedding their first and cheapest influences at home, then spread their great country—resources, it should also be observed, which, shedding their first and cheapest influences at home, then spread their wings in other climates, and distil their dews on every land to which the genius of Britain obtains access, or of which her power maintains the occupation.

With reference to the important passing events on the continent it would seem Austrian control cannot be resumed in Italy, with a chance of subduing the national feeling, excited with the Pors at a chance of subduing the national feeling, excited with the Pore at the head of the movement. We hear of the Neapolitan troops, under General Pres, boing en route for Lombardy—so that the forces of Sardinia, Tuscany, Rome, and Naples, will be united in resisting the return of Austrian rule in Lombardy. Venice will co-operate with the Lombards in the future form of Government to be decided upon; and it would appear, the Duke of Genoa (second son of the King of Sardinia) may, as the probable King of Lombardy, federate with Tuscany, Rome, and Naples. The elections of the superior officers of the National Guard in Paris are going on with considerable opposition to the ultra Republican party, and Monsieur Louis Beanc's theories are becoming manifest to the more thinking portions of the operatives, so as to promise the present excitement in Paris will work its own cure.

If the Danish and Prussian affair, with regard to Schleswig-Holstein, settle down as it was hoped, although now we fear scarcely

respective down as it was hoped, although now we fear scarcely probable, into an amicable understanding, the Emperor of Russia will hold to the tenor of his proclamation, and confine himself to the protection of his own territories. The principal question at issue, then, will be the future position of Poland, which will mainly depend upon the views that may arise properties of that countries.

depend upon the views that may arise upon the state of that country by Germany, or France, after the United German Parliament, and the French National Assembly, are respectively elected.

There are no political differences to this time, nor are any apparently probable, to involve England in continental disputes, which, in the course of a short time, may now be sufficiently settled, to relieve commerce from its temporary derangement.

the late events in Lombardy, &c., have been productive of a general

the late events in Lembardy, &c., have been productive of a general feeling of insecurity. Some establishments have been entirely stopped—several partially—many of the workmen in the north of Germany having turned out to join the volunteer corps, being formed to assist the Schleswic-Holsteiners in their struggles with the Danes; it appearing almost inevitable, that a war must commence between the belligerent parties.

All State paper money has depreciated in value, and railroad debentures (Elsenbahn Cassen Schien), which were of the value of 40 schillings courant, are refused by every one. The directors of the railroads have placarded on their stations, that they refuse paper money in payment of their fares. As an instance of the general feeling of insecurity which prevails, we are credibly informed, that four towns in North Germany, which were on the point of concluding contracts with English engineers to erect gas-works, and subscribe the capital themselves, have withdrawn, and decided that the engagements should be in abeyance till more peaceable times; and we can venture to predict, that the metal trade will suffer as great a depression in those quarters as any other. In no speculations has this evil been more remarked than in railroads, which is mainly to be attributed to the late events in France—speculators if fearing to invest capital in them, imagining, that in any ements, their property will be the first to suffer. We do not wish to be augurers of ill omen, but we cannot but believe, that this alarming state of affairs must have a bad effect on our trade with the German market. Great quantities of coal, coke, and iron—not to mention other metals—are annually shipped to Hamburg and Bremen, and from thence circulated through Germany; and a decrease of our exports to these ports must materially affect those trades, and react on our own manufactners and mine proprietors. Should, however, this not be the case—and we trust that it will not be so fearful as at present we have ground to believe it will be—we at present we have ground to believe it will be—we would advise those accustomed to trade with Germany, to be cautious in their consignments, as in these changeable times, we have seen it is impossible to discern what the coming day may bring, or who may be

possible to discern what the coming day may bring, or who may be involved in misery and penury.

Just as we had concluded the above remarks, further information reached us, by which our fears, as to a collision between the Danes and Holsteiners, were confirmed, war having commenced in Schleswic. According to the Bremer Zeitung, sharp fiving of artillery and musketry was, on the 31st of March, heard in the direction of California on Echaphola. wic. According to the Bremer Leaning, snarp wing of artificity and musketry was, on the 31st of March, heard in the direction of Schleswic or Eckenforde: At Apenzade, there are stationed two Danish steam boats and a brig of war, which have captured the steamer Christian the Eighth. It is reported, but not authenticated, that the Danish war steamer, Heela, had been boarded and taken by the students of Kiel, and some riflemen. In the meantime, the Danes are resolved not to lose Schleswic without a struggle; the greatest enthusiasm and determination to keep the Danish kingdom entire prevails in Copenhagen, and all the provinces. Nearly all the shopkeepers there have enrolled themselves as volunteers.

On Thursday evening, "a bill for amending the law for the leas-ing of mines in Ireland," was read a third time in the House of Commons and passed. The change which this bill effects in the Commons and passed. The change which this bill effects in the present law is, simply, that mining property held in trust for minors, idiots, or lunatics, or by the possessions of glebes and other church property, may be leased for 41 years, instead of 31; and the rent, formerly restricted to one-tenth of the gross produce of the mine, is left unrestrictedly to the terms which may be agreed upon by the parties. The new bill, in destroying the restriction upon the rent, confers a most inestimable benefit upon the mining and labouring interests of Ireland. This may be illustrated by the fact, that the Knockmahon Mines, worked under a lease, granted by the trustees, under the marriage settlement of the lady of Mr. R. Bernal Osbonne, M.P. for Middlesex, would become almost useless under that provision, by which one-tenth of the gross produce is claimed as rent, on account of the great depths, and consequent great ex-

Osnoans, M.P. for Middlesex, would become almost useless under that provision, by which one-tenth of the gross produce is claimed as rent, on account of the great depths, and consequent great expense, at which its operations must be in future carried on.

Under the bill now passed, the lessees may be able to renew their agreements upon such terms as will enable them to keep their important works in activity, keeping a large number of the population in employment, and realising themselves a fair interest for the capital employed. There is, however, one omission in the bill—the remedying of which, at the remonstrance of Mr. Wxxx (now the undisputed Member for Bodmin), the Government pledged itself should not be opposed in the other House. It is that, while the present occupier of glebe lands is permitted to lease the metalliferous produce beneath the surface, no reservation is made of the rights of his successor. It is obvious, that a piece of glebe land, leased for mining purposes, may become at the surface, by the necessary mining operations, a complete waste; and, the lease being expired, the endowment of the living, as far as that glebe is concerned, may be a nonentity. In England, the law insists that five-eighths of the profits of a lease of glebe land for mining purposes, shall be invested as a corpus—the interests of which will be payable to future incumbents, as well as to the one in possession. The adoption of this regulation into the present measure for Ireland, will be proposed in the House of Lords by the Right Rev. the Lord Bishop of Sx. Davids; and, opposition to it being deprecated by the Government, it will, doubtless, be carried. On the whole, this Bishop of Sr. Davids; and, opposition to it being deprecated by the Government, it will, doubtless, be carried. On the whole, this may be considered an instalment of those remedial measures promised to Ireland for the encouragement of her industry, and, no doubt, can be entertained, with these amendments, of its producing beneficial effect upon her mining prospects.

Considerable surprise having been excited by the difficulties re-cently experienced by the VIEILLE MONTAGNE ZING COMPANY, and the consequent depreciation in value of the shares in that con-cern—a concern until now so eminently successful, as to occupy the cern—a concern until now so eminently successful, as to occupy the highest place in public estimation—it may be, therefore, interesting to trace some of the principal causes which have led to such an unexpected event. It appears that this company is possessed of a very extensive range of mining territory—so extensive, that it not only served for the supply of their own magnificent works, but enabled them also to sell large quantities of calamine to other establishments, which are dependent upon them for such supply. The smelting-works belonging to this company are on a grand scale, and are erected at Liege, while their rolling-mills are established in France—thus, singularly enough, they raise their ores in Prussia, smelt them in Belgium, and roll the metal into sheets in France—incurring, by such arrangement, a triple risk of interference, as any smelt them in Belgium, and roll the metal into sheets in France—mourring, by such arrangement, a triple risk of interference, as any political disturbance in either of the three kingdoms was likely to affect themselves. The object in view, in conveying the ores to Liege, appears to have been for the facility of obtaining coal; and that which induced the erection of the rolling-mills in France, the evasion of a heavy import duty on sheet zine, while zine in cakes is allowed to go in on payment of a comparatively light impost. This arrangement had, however, one manifest inconvenience—it led to an entire dependence on the French market alone for disposing of their produce; this market is now extinct, and their mills stopped—at least for the present.

There are no political differences to this time, nor are any appaintly probable, to involve England in continental disputes, which, a the course of a short time, may now be sufficiently settled, to release form its temperature depression and stagness, which as occurred there, and in all public works. Although the overall nations are satisfied with the concessions granted them by the sovereigns, yet the apprehensions of a war in Holstein, and

sustaining so severe a shock, they may have been compelled, in some degree, to yield to the storm; yet they have the consoling consideration, that their reverse has not arisen from any general previous depression in the zinc trade, nor from any fault or disability in their works, but solely from the failure of the accustomed returns from their usual markets. sustaining so a from their usual market.

in their works, but solely from the failure of the accustomed returns from their usual market.

Meanwhile—and notwithstanding their difficulties—the assets of this company, without reckoning their mining grant, exceed their liabilities by upwards of 86,0000. As to the worth of that grant, it is estimated by all competent judges, as well as by financial men, to be of at least 1,200,000. sterling—so rare on the continent are the productive mines of calamine, and so large the returns to be derived from smelting-works for the reduction of those ores. The effects of these difficulties, arising as they do from incautious measures, do not, unfortunately, rest with themselves alone; but are, at this moment, seriously felt by all others who are engaged in the production of zinc—inasmuch as the sudden diversion of their large manufacture from its original course, combined with the urgent necessities of this company, obliging them to force sales, has put down the price very considerably—the markets both in England and America being suddenly overwhelmed by this unexpected influx.

It is to be hoped that commerce must, before long, resume her usual channels, and the markets be restored; yet even the present price for zinc, although under what any. English smelter can produce that metal for, is still a good and remancrating one for some parts of Prussia, where there exists unusual facilities for its profitable and extensive production.

when, in the antumn of last year, the question of the national defences so generally engaged public attention, we suggested the importance, before everything else, of strengthening and perfecting the force of our steam navy; all subsequent events, and the fuller public examination of the subject, have confirmed this view of our duties. Added to other governing considerations which surround the subject, we are furnished with motives for adopting this method of defence, when its efficiency, its mobility, and its peculiar adaptation to the genius of our people, is justly estimated.

If the question of naval supremacy, or of national independence, is to be settled at sea, what other element of public strength is so likely to contribute to an anapicions settlement of these questions, as a steam armament, everywhere commanding the seas which girdle these imperial islands. Moreover, though a permanent, it is not a stationary force—its locomotive capacity is one of its leading recommendations. If the strength of our arms is to be tested, no matter where, in the Baltic or within the pillars of Hercules, eastward in the old continent, or westward to the new, a steam armament can be run off in any direction, and at any time, which may best suit the exigency and the occasion. It suits too, admirably as we think, the historical and the actual tastes of our population. A steam fleet rushing seaward, and directly to its object, is one of the most attractive nautical objects which the British eye can dwell upon. The cultivation of this branch of the naval service of the country, is a duty which, under the present circumstances of the world, we cannot, except at infinite peril to ourselves, neglect. In arts and exercises of this, and of a connate character, we have had a not inglorious reputation, since the days of Paulip I. and of the Armada. Shall we slacken in our devotion to them, at a moment more pregnant and more lowering even than that. If we are in arms at all, let us be seen again, as we were seen on that memorable occ

"Britannia needs no fortress high, Nor towers along the steep; Her strength is on the mountain was Her home is on the deep."

If the fermentation now prevailing—if the complicated relations of the courts of Europe should, after all, receive a pacific solution—we shall set it down as one of the greatest of recorded miracles; but the imprudence of calculating on a contingency, so desperate and improbable, is too clear, on the face of the circumstances, to require an observation. On the other hand, if the new and adverse interests, which are daily springing up, point to war somewhere, as their necessary exposition, by what means can we hold our place, and vindicate the integrity of our shores, more economically, or more efficiently, than by an angmentation of our strength at sea, and especially of our floating steam-power?

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Government Contracts for Coals.—The Admiralty Commissioners have given notice that, on Taesday next, they will be ready to treat for the delivery, at the under-mentioned stations, of the following quantities of coals for the service of her Majesty's Mail Steam-Packats:—Dover, 5000:tons; Holyhead, 2500; Kingstown, 1400 tons, to be delivered within 12 months from the 1st of May next; also for supplying at Port Patrick and Donaghadee, for the like service, during the said period of 12 months, all such quantities of coals as shall, from time to time, be demanded. The coals for Donaghades to be supplied by the contractor for Port Patrick. Contracts will also be entered into on Thursday, the 20th inst., for the supplying of coals at her Majesty's dock-yards of Deptford, Woolwich, Shearness, Chatham, Portsmouth, Plymouth, Devenport, and Pembroke, and the Admiralty and Marine Offices.

REGISTAL COAL COMPANY IN FRANCE—A company has been formed angles.

mouth, Devenport, and Pembroke, and the Admiralty and Marine Offices.

Regish Coal Company in France.—A company has been formed under the name of M. Latour Landarthe, for the purchase in England of soke and coal, particularly that description most suitable for the making of coke for rail-ways, furnaces, &c., especially on the banks of the Loire and other departments, where manufactories of every description abound. A partner, or director, of the company is at present in the north of England, making arrangements with some of the large colliery proprieters for supplies, as there remains no doubt that the demands for British coalin France, when the duties are reduced, will increase to a considerable degree, as it is now becoming very general, not only in the manufacturing districts, but for private consamption.

Contracts for Coals for Rinkla.—The Court of Directors have given notices, that the Finance Committee will be ready to treat, on Wednesday, the 19th inst., for the supply of 3000 tons of coal, to be delivered at Aden, on the southern coast of Arabia, of the following descriptions.—West Hartley, Carrés, Buddle's, Davison's West ditto, Kratenedy, and Risca Black Vein (handpicked); also for their different military establishments in this country.

Coal in Western Indian —We learn by the late despatches, that the efforts

COAL IN WISSTREN JEDIA.—We learn by the late despatches, that the efforts of the Indian Government to discover coal within the districts of Westera India are likely to be successful. The search had been entrusted to Mr. Johnson, civil engineer, who, under the guidance of Mr. Hamilton, the resident at Indore, proceeded to examine the coal formation in the neighbourhood of Nimar. Some specimens of that coal had been sent to Bombay, and proved to be of a good quality. It was hoped that means could be devised for conveying these coals by the Nerbudda to the sea.

THE COAL TRADE.—The collectors and comptrollers, and other principles of the Customs department, and at the several ports and places through the kingdom, have received a communication from the commission officers of the Customs department, and at the several ports and places throughout the kingdom, have received a communication from the commissioners, through their secretary, stating that he has been directed to transmit to them a copy of an address from the House of Commons, for an account of local or municipal dues on coals imported into, or exported from, any part of the United Kingdom, and to direct them to collect the particulars required, so far as they relate to their respective ports, from the municipal authorities, or rather parties compotent to supply them; and, when collected, to transmit the same to the Inspector-General of Imports and Exports, with the least possible delay; and that, in the event of their experiencing any difficulty, in carrying into effect the directions thereby given, they are forthwith to report the same to the board, and to point out the quarter to which a direct communication from the Lords of the Treasury may be necessary, for the purpose of obtaining the desired information. The following is a copy of the resolution of the House of Commons adued to the Resolved.—That a humble address be presented to hur Majesty, that she will be graciously pleased to give directions that there be faild before the House a return of all dues, duties, and taxes, municipal, local, or imperial, levied on the importation of coal or cohe into any of the ports of the United Kingdom, or from any other ports therein, stating the amount so collected in each port, in the years 1846 and 1847 respectively. Also the dues, duties, and taxes, municipal, leval, or imperial, levied in each of the above years, on the exportation of coal and coke from any port of the United Kingdom, either coastwise or foreign, with the amount so collected in each port, Also, a similar return of taxation on all coal and coke brought by railway to any part of the United Kingdom, or from another part of the United Kingdom of the Tonical Ringdom, or from another part of the United Kingdom, or any part of the United Kingdom, or from

The most intense astonishment was excited yesterday morning in our mercantile circles, by the appearance of a decree in the Monitour, by which the Provisional Government sequestrates the Orleans and Centre Railways. No sufficient reason was put forward by the Government for this most extraordinary measure, and no person has been able to assign any decent reason for it. It was known, that the Government entertained the intention of getting all the railways into its own hands, by buying them of the shareholders; and it appointed a commission to inquire into the best means of effecting this scheme, and, above all, of hitting upon the ns of payment. The commission was engaged in its labours, and no-

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best means of erecting this scheme, and, above all, of hitting upon the means of payment. The commission was engaged in its labours, and nobody expected any decision for, at least, a fortnight or three weeks to come, when, lo! all at once, out comes the decree referred to. It fell like a thunder-clap on the frequenters of the Bourse. "What does it mean? What was the cause of it? Was it to be followed by other measures? If the Government could sequestrate railways—why not mines? why not banks? why not your property, or mine? or, in fact, anything and everything?" Such were the questions that everybody asked of everybody, but no one could return an answer.

Up to this moment, the whole affair is surrounded with mystery. Some people say, that the Government sequestrated the railways, in compliance with the recommendation of certain large shareholders. But who were those shareholders? And what right had they to speak on behalf of the whole company? Some say, that the board of directors recommended the measure. But that cannot be true; for the directors have sent a note to the newspapers declaring the contraty. Some say, that the employés of the company would not obey their superiors—and that, consequently, the line could not be worked; but that can scarcely be true—for the men employed on the Orleans Railway are the best paid and best disciplined of any line in this kingdom; and, even supposing it to be true, is it a sufficient reason for confiscating the railway? Other people insist, that the reason of the confiscation was, that such an immense force had to be kept on the line, to prevent the country people from devastating it, that it ran away with all the profits; and that, consequently, the Government thought right to take the line into its own hands. But why this tonder interest for the shareholders? Had they not more right to spend their money in their own way than the Government had to take it from them? And if there was a danger of disturbances occurring, was it not the duty of the Government to protect the

if there was a danger of disturbances occurring, was it not the duty of the Government to protect the line?

But, in truth, no estisfactory reason can be assigned, or imagined, by any one for the proceeding of the Government. As far as we are at present informed, it has acted as it has done, merely because such was its pleasure, and because it is the strongest. But every one cries out against it, for every one considers the measure most dangerous in principle. It is evident, that if two railways be sequestrated, none of the others can escape. They must all be sequestrated too.

What excites the most discontent, is the manner in which the Government has sequestrated the lines in question. Everybody is aware, that there are many very good reasons why the railways should be in the hands of the State—at all events, the reasons are considered good here. Had the Government treated with the companies, most people would have approved of it, and even the shareholders themselves would have been delighted to have got rid of the lines at a fair price, especially as the canaille appear to have a particular taste for blowing up railway bridges and tearing down stations—things which are not very palatable to shareholders. But there is all the difference in the world between buying a thing and taking it; and the Government has taken these railways—for, though its decree talks about protecting the interests of the shareholders, the protection will probably be more nominal than real.

Your readers will naturally be anxious to know whether there is any probability of mines, iron-works, and metallurgic establishments, being treated in the same way as the Orleans and Centre Railways? A week ago I should have said, that any man would have been mad to have supposed that the railways would have been so treated. Even now, I cannot bring myself to believe that it is probable—nay, not even possible—that the Government can be so wild as to think of treating mines, &c., as it has treated railways; but we live in strange times, and are dest

strange things.

Several important meetings of mining and metallurgic establishments are about to be held—a meeting of the Great Coal Company of the Loire is to be one of the first. These meetings are looked forward to with the greatest interest.

The past week has been a very dull one in the mining world; in fact, nothing has occurred that calls for a report. Still mines have been worked, and the principal metallurgic establishments have been going on as usual.

The following is the decree of the Provisional Government, relative to the Orleans and Centre Railways:—

"The Provisional Government, considering the decree of the 30th of March, 1848, by which the Citizens Bineau and Didion were named commissioners extraordinary of the Orleans and Centre Railroads,
"Considering that it has been established, that the companies of these two railways have not at present power to assure the regularity of the service,
"Considering that, in this state of things, it is the right and duty of the Government to take, provisionally, the admini tration and exploitation of these two railways into its own hands, every reserve being made for the rights and interest of the shareholders and third parties,

"On the proposition of the Minister of Public Works:—
"On the proposition of the Minister of Public Works:—
"On the proposition of the Minister of Public Works:—
"On the proposition of the Minister of Public Works are placed under sequestration. They will be administered and worked under the direction of the Minister of Public Works.
"Article 2. Citizen Savara and Article 2. Citizen Savara and Control of Public Works."

Yorks.
2. Citizen Savage, engineer of mines, is named administrator of the two rail-will execute the powers conferred on him, under the inspection of Citizen visionary inspector of Ponts et Chaussées, and Citizen Bineau, chief engineer

of miners.

"Article 3. From this date, all the direct and indirect products of the two rullways
will be levied, notwithstanding all oppositions ou ansiste-arreis, and will be applied to the wants of the enterprise.

"Done in Council of Government, at Paris, 4th April, 1848.

"The members of the Provisional Government:—Dupont (de l'Eure), Lamartine, Albert, Marie, Garnier Pagés, Ledru Rellin, Arago, A. Cremicux, Louis Blanc, Ferdinand Florent, Albert, Marie, Garnier Pagés, Ledru Rellin, Arago, A. Cremicux, Louis Blanc, Ferdinand Florent.

bort, Marie, Garnier Pagés, Ledru Rollin, Arago, A. Cremicux, Louis Flocon, Armand Marrast. "The secretary-general of the Provisional Government—Pagnerre."

The meeting held by the directors of the Orleans and Central Bailways thus set forth in the note which they have sent to the newspapers:—

"At an extraordinary meeting of the board of directors of the Oriens and Centre Rank ways, it was decided—ist. That a general meeting of the shareholders should be immediately called within the period provided by the statutes—viz.; for the Oriens Company or the 27th April; and for the Centre Company, on the 28th—ad. That the ratsing the sequestration with the least possible delay will, for the present, be demanded urgently from the Provisional Government.—3d. That, during the time the sequestration rests in effect, every measure will be taken by the two councils for the preservation of the rights of the shareholders, and of third parties, expressly reserved in the decree."

Commercial matters still continue in a lamentable condition-they are, Commercial matters still continue in a lamentable condition—they are, on the whole, perhaps, worse than they were when I last addressed you; and what is even more disquieting, no one can say when an improvement is likely to take place; but, notwithstanding the universal gloom and anxiety, it is gratifying to state, that metallurgic industry has thus far been free from any great disaster. Even the two or three failures, which I noticed in my last, as having taken place in the metal trade, would not have occurred, if the persons concerned had not embarked in other business; and, in fact, it was by, through, and in consequence of, such other business, that the failures were occasioned. Thus, for example, the most important of these failures—that of an extensive firm in the iron trade at Paris—took place, because the firm had engaged in banking basiness, and.

portant of these failures—that of an extensive firm in the iron trade at Paris—took place, because the firm had engaged in banking basiness, and, as bankers, had been obliged to stop. If they had confined their operations to iron, they would, to-day, have been as solid as ever.

The advantage of another wock's reflection and observation has strengthened my conviction that, of all branches of commercial enterprise, those of which the Mining Journal is the organ will best succeed in weathering through the terrible commercial and political tempest which is now raging. As I told you, at the first, coal-pits and mines, and metallurgic establishments of all kinds, will not escape unscathed by the tempest—to hope such a thing would be absurd; but it is most consolatory to feel assured that, when so many noble undertakings are laid prostrate, they can maintain their ground—that, when utter ruin has overwhelmed others, they, generally speaking, will get off with temporary inconvenience and loss.

I may be told, that the suspension of payment by the Vieille Montagne Company does not bear my assertions; but the fact is, it in nowise disprance them—for, in the first place, the Vieille Montagne is a Belgian, not a French, Company; and, in the next place, its suspension is only temporary, and would have probably been caused by any commercial crisis, even had no revolution taken place.

Even smidst the exciting events which one would think would absorb his attention, the Minister of Public Works has found time to issue a de-

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cree for reducing the four mining districts of the northern metallurgic division of France into two.

cree for reducing the four mining districts of the northern metallurgic division of France into two.

Reports have been current of the General Company of the Mines of the Loire having determined to apply for permission to closs several of its coal-pits, on account of the diminution of the sales of coal. Up to this moment, however, nothing has occurred to confirm these rumours. You are aware that, by the terms of the concessions which it holds from the Government, the company is bound to continue to extract coal from the pits, even though there should be no demand for it. In the present state of affairs, when the demand for coal is necessarily not so great, it is only natural that the company should be anxious to be relieved from the necessity of continually adding to its stock. But, on the other hand, the company is well aware that the suspension of working would throw handreds of miners out of work—a measure which, at the present conjuncture, would be of extreme gravity, especially as the Loire miners, who are, and always have been, a turbulent and unmanageable lot, could not be expected to display much resignation.

As a proof that the prospects of metallargic enterprise, notwithstanding the revolution, are not considered altogether discouraging, I may mention that in this last week a company has been formed for working a lead mine, called Ville der et Mauper, situated in the communes of Roe St. André, Quilly, and St. Lervant, arrondissement of Ploermel, in the department of Morbihan. The company has been formed for three years, with a capital of 24,000/c, divided into 600 shares. But what bears out, in the most remarkable manner, what I said to you two or three weeks ago, to the effect that so far from closing the French markets to our coal and iron, the revolution would, probably, extend it, is the fact, that several eminent capitalists, well known in the business circles of Paris, have just formed a company, in which they take a stake, for the purchase, in English coal-pits, and more especially of coal ada

It was not without interest that I have examined the returns of the importations made into this country in the month of February last, compared with the corresponding month of the two previous years, though, of course, the revolution took place when the month was so far advanced, that no very great effect could be produced on the imports. The imports have been as follows:— Feb., 1848. Feb., 1847.

Let you represent the wife of the standard	Quin. 1	net.	Quin. n	iet.	Quin. met.
Copper—From England	1,828			****	78
San I Was a War of the san of the	5,129	1-12	5,302		4,041
Tin	1,090		1,186		654
Cast-Iaon — From England	41,353		53,744		31,998
	79,432		78,182		50,770
COAL—From Belginm England. German Commercial Assoc Other places	.409,951 .186,183		357,925 175,874		308,667 176,031
1	,356,864	-	,403,313		1,375,328
LEAD	19,961		13,577		10,017
ZIEC—German Commercial Association Beigium Hanse Towns Other places	7,725 258 31		173 6,426 657		1,700 1,288 1,812
	8,014	71117	7,256	-77	5,340

Belgium .- A royal ordinance decrees the maintenance of the concession of the mines of Trieu Kasin, &c. The general assembly of the Company of the Coal-pits and Zinc Furnaces of Valentine Coq is to be held on he 20th of April.

be 20th of April.

Some distressing disturbances took place, on Monday last, amongst the mining people in the vicinity of Mons. About 7 o'clock in the morning, from about 800 to 1000 miners, belonging to Quaregnon, Gemappes, and Frameries, assembled about the pits of Quaregnon; they insisted on a strike, and for the men to come out of the pits, having for their object the obtaining an equality of labour—that, whilst some were unemployed, others should not be employed. On the first intimation, some of the clerks of the colliery called Douze Action, situate at Quaregnon, armed themselves for the purpose of defending the establishment. Five gensdarmes, also, three on horse and two on foot, arrived in haste on the spot. The mob. which had become of some consequence, very soon assumed an apmob, which had become of some consequence, very soon assumed an ap-pearance of hostility. Bricks and stones were thrown at the armed men. The gensdarmes began to fire in the air as a warning; but were ultiantely obliged to fire in earnest upon the agressors. A woman was shot in the back, and died soon afterwards. Two men were wounded, one of whom had to undergo amputation of the arm. In an hour the whole was over. Troops occupy the establishment, and all is quiet,

THE VIEILLE MONTAGNE COMPANY.

In the Journal, of the 25th March, we gave a report of the meeting, in Paris, of the shareholders of this company. We now present a translation of the account, which the directors themselves have drawn up, and caused to be published in the Journal des Chemins de Fer. It, however, contains nothing which was not given in our report, but our readers will, no doubt

be glad to learn what the directors say for themselves.

Mr. MORNY, the chairman, explained the gravity of the circumstance Mr. Morny, the chairman, explained the gravity of the circumstances which had induced the conneil to call together the shareholders at an extraordinary time, without conforming to the letter of the statutes. He first explained the situation of the company, previous to the events of the 24th February. The profits in 1847 had amounted to 2,297,781 fr. 77 c.; deductions made, according to the statutes, for reserve, sinking fund, &c., 767,957 fr. 96 c.; there remained for division, 1,529,823 fr. 81 c., or a dividend of 300 fr. per share. Mr. Morny then spoke of the new facts, relative to the zine trade, during the last few years. The consumption in France had much increased. The English market had been opened for plate zinc, since the modifications introduced into the Customhouse tariffs by Sir Robert Peel. America had also become a great consumer. Lastly, the sale of zine had found a great increase under the form of an oxide, destined to supersede white lead. Researches had been made with the greatest activity in the mines of the Vieille Montagne, and inextants the riches had been found. Galleries had been discovered nearly as rich in calamine as the ores of the new extraction. These circumstances had decided the council to construct new furnaces, to increase the production, so as to be assured of the English and American markets. Depôts had been established in these countries the same as in France. This double decision had required an outlay of more than 3,000,000 fr. of which 1,200,000 fr. had been expended in constructions, and the rest in stock in America and in England. The reserve fund, and the current profits, had momentarily provided for these expenses. To re-establish the funds of the company, and not to burden the present at the expense of the future, the council had resolved, at the meeting on the 16th February last, to borrow 3,000,000 fr. Political events, and the financial crisis of funds of the company, and not to burden the present at the expense of the future, the council had resolved, at the meeting on the 16th February last, to borrow 3,000,000 fr. Political events, and the financial crisis of which they had been the cause, had been the means of surprising the company in, what it supposed, so prosperous a future. The reserve had been locked up—the loan had not been negociated—and the company had been obliged to have recourse to the negociation of its bills, and the sale of its stocks, to pay its acceptances. But all credit being lost, and sales difficult, the company sees itself compelled, either to adjourn its engagements, or to stop its works; the latter of which resolves will destroy both the security of the creditors and the prosperity of the shareholder. The active of the company, without counting its stores of various kinds, its concession, and its extracted minerals, which, without exaggeration, may amount to 30,000,000, is composed of merchandise and bills, amounting to 5,698,000 ft;; liabilities, 3,200,000; excess, 2,498,000. This position is sufficient to sot both the creditors and shareholders at rost; and, although little can be expected from either, in the present crisis of affairs, the company will promptly honour its engagements, and continue its production.

After a few observations, the meeting almost unanimously approved of the proceedings of the council, in endeavouring to negociate the loan, and in suspending the payment of their engagements, so as not to be forced to dismiss their workmen.

EXPERIMENTS ON COAL-OFFICIAL REPORT.-No. V.

EXPERIMENTS ON COAL—OFFICIAL REPORT.—No. V.

BROOMHILL COALS.—This colliery is situate at Braembill, on the Chevington estate of the Earl Grey, and lies about 24 miles N.N.E. from Newcastle, 2 miles N.N.E. from Morpeth, 94 miles 8.5.E. from Ainwick, and 8 miles 8. from Warkworth, which is the port at which the coal is shipped. There are two workable pits: the cose now in work is called the Low Main Coal Seam, which is worked at a depth of 204 ft. from the surface, and averages about 5 ft. 10 in. in thickness, all elean coal, away at his piece of splint coal at the top of the .spam. It is worked broad and pillar, in contradistinction from long work. The dip is about 1 in 12, or 44°, and runs about 8.44° E. The overlying strata appear to be clay, an argillageous blue stone, and a grey-coloured sandstone, very strong and hard, which is also continued undernagh the present workings. The character of the east given is, bituminous, open burning, leaves little earthy residue, is a prime essential coal property of the east of the coal given is, bituminous, open burning, leaves little earthy residue, is a prime essential there are two other good marketable sessus, the High-Main Seam, 4 ft. 9 in. thick, at a depth of 102 ft., and the Nard-Coal Seam, 8 ft. in. thick, at a depth of 102 ft., and the Nard-Coal Seam, 8 ft. in. thick, at a depth of 102 ft., and the Nard-Coal Seam, 8 ft. in. thick, at a depth of 102 ft., and the Nard-Coal Seam, 8 ft. in the light, and are in the plants of deposition. The structure of the coal varied considerably; hard thin plates of very bright black coal, having, when broken, somewhat of a concholdal fracture, alternating with hard, dull-looking shaly lamine, and patches of soft fishic material, having the siky appearance so often observed. There appeared to be a very considerable quantity of pyrites in the jointings, which, though in thickness considerable enough to show distinct crystals, did not appear to exist disseminated through the entire mass. Small patches of while matter were also se

matter having been carried over and mixed with it.

PONTYPOOL COAL.—This celliery is situated near Pontypool, in the county of Monmouth, at the distance of about 10 miles from the shipping port, from whence the ceals are exported to France, Spain, Portugal, the Mediterranean, South America, Brasils, and the West Indies. The current price is 9s. 6d. per ton. The seam is very regular, and 6 ft. in thickness. The coal is worked by level, at a depth of about 150 yards from the surface. The subjacent and overlying strata being shale, which, together with the seam itself, has an inclination of \$\frac{3}{2}\$ in. in 1 yard towards the west. The sample of this coal which was sent up for trial, was hard and brilliant, with lines of fructure parallel to the bedding, and appeared to be considerably mixed with shale, which formed layers, very distinctly visible, parallel to the planes of deposition. This coal also contains a rather large amount of iron pyrites, which appeared to be pretiy regularly disseministed throughout the mass. It was remarked during the experiments, that the fire lighted easily, and got the steam up rapidly, but that considerable quantities of smoke were evolved during the whole time of experiment. This coal cokes slightly on the dead plate, and the fire requires constant attention.

BEDWAS COAL.—This coal is mixed in the revish of Bedwas in the constant of the parallel in the revish of Bedwas in the constant of the parallel in the revish of Bedwas in the constant of the parallel in the parallel of the parallel in the parallel of the constant attention.

whole time of experiment. This coal cokes slightly on the dead plate, and the fire requires constant attention.

BEDWAS COAL.—This coal is mined in the parish of Bedwas, in the county of Momouth, and is situated at about 104 miles from the shipping port. The principal markets for these coals are Spain, Portugal, different ports of the Mediterraneau, and in England. The coilierly was opened about 18 months since, and appears to improve as the workings advance. The coals are at present extracted from a depth of about 30 yards, by means of a steam-engine. The thickness of the seam is 2 ft. 8 in., and the subjacent strata hard fire-clay; it is overlaid by a stratum of rock, which varies from 15 to 20 yards in thekness. The seam has an inclination of from 4 to 5 in. in 1 yard towards the south. The contrent price of this coal is 9s. 6d. per ton; and the character given of it by the proprietor is, "large, hard, and free burning; free from sulphur and earthy matters, and much liked for steam purposes." The specimen of these coals on which the experiments were made was firm and brilliant, with a cubical fracture; it contains iron pyrites, but in smaller quantities than the last, It was remarked during the progress of these experiments, that this coal produced but little smoke, and burned freely, with the formation of but little clinker. It also ignites easily, and gets the steam up rapidly.

PORTHMAWR ROCK VEIN COAL.—The Porthmawr Colliery is situated at a distance of about 8 miles from Newport, Monmenthaitre, and the coals are shipped from that port to nearly all parts of the world: its current price is from 8s. to 9s. 6d. per tou. They are said by the proprietor to be "excellent for steam uproposes, and the manufacture of iron in all its stages." The thickness of the seam varies from 5 to 6 ft., and is generally tolerably regular. The coals are obtained by means of a level, or horizontal gallery. The subjacent, like the overlying strate, is composed of rock and shale, which have an inclination of about 6 ft. in 1 yar

a large amount of smoke was evolved. The fire, however, lighted easily, burned reely, and got the steam up rapidly; but considerable quantities or ash remained at the close of each experiment.

EBBW VALE COAL.—This is generally known by the name of the Ebbw Vale Fourfoct Steam-coals, and is raised at the Ebbw Vale Iron-Works, 21 miles from Newport, where it is stipped. The principal markets are the Mediterranean, the West Indies, and the Brazils. The present price is 10s, per ton. The proprietors recommend it very strongly as containing little sulphur, and represent it as being much in demand for marine and other steam purposes. The mine is from 400 to 500 ft. in depth, and the seam from which the coals is raised varies from 3ft. 6 in. to 4 ft. 6 in. in thickness, and has an invalidation. The sample mined for the service of the investigation is excessively brilliant, with a cubical fracture, but rather friable, and contains little from pyrites. It was remarked during the experiments that they lighted easily, and got the steam up quickly, yialing a fine clear fire. They crake on the bars, but produce very little clinkor, and an extremely small quantity of red ash, which is almost totally consumed when again thrown on the fire. They were also found to evolve a greyish-black smoke in rather considerable quantity, especially after stirring the fire, and from their bituminous nature require frequent stecking. It may also be remarked that they were tried for the purpose of forging iron, and found to answer extremely well.

FORDEL SPLINT COAL.—The colliery from which this coal is extracted is situated in the parish of Dalgety, in the county of Fife, and is from 5 to 6 miles from the shipping port, where its current price is 9s per ton. It is raised from what is called the Splint Seam, at a depth of from 50 to 80 fms. from the surface. This vein is generally pretty regular. The sproprietor describes this coal as "bard, bituminous, and lively in burning." The specimen which came into our hands was lauseller in structure

maintain a good clear inte: Iney were since to the control to presence a consideration quantity of greyish smode, but leave little ash or clinker.

COLESHILL COAL.—This pit is situated at the distance of about 1 mile from the village of Bagilt, oh the River Dee, from whence the coal is shipped for different parts of Great Britain, and more particularly for the Irish and Welsh coasts. The current price is 8s. 6d. per too, and is described by the agent as "free burning, strongly bituminous, and leaving very little of a white ash." He further adds, "This coal is extensively used by the Steam Navigation Company of Liverpool, as also by the various lead-smelling establishments on the River Dee, and is highly approved of." The coal is extracted from a depth of 89 yards from the marine, and the seam, which is 5 ft. 9in. in thickness, is generally pretty regular. It has an easterly dip of i in 8, and is worked by stalls? yards in width. The overlying and adjacent strata are rock and shale. The specience of this width. The overlying and adjacent strata are rock and shale. The specience of this midth if ragments, which are apit to fall through the fire-barts. It, however, lights easily and burns freely, producing a considerable quantity of black amoke, which easily and burns freely, producing a considerable quantity of black amoke, which expects during the whole time of combustion, but more particularly immediately after charging the grate. After the experiment large quantities of ash mixed with shale and souris sensition.—After the experiment large quantities of ash mixed with them.

SLIEVEHDAGH COAL.—This coal-field is situated in the barony of Slieverdagh, in

were observed to be mixed with them.

SLIEVEHDAGH COAL.—This coal-field is situated in the barony of Slieverda
the country of Tipperary, Ireland. It lies between the towns of Cullen and Willin
being? miles distant from the former, and about 3 from the latter place. The n
shipping port is Carrick-on-Sur; but, as soon as the railways are completed, the
munication will be opened to the Shannon and Cork harbour. The thickness of the
2.8 and the coals amployed in the experiments were extracted from the deput of munication will be opened to the Shamon and Cork harbour. In the uncaness is 3 ft., and the coals employed in the experiments were extracted from the depth 28 yards from the surface, by means of a whim, though a tunnel is now in prog which a trans-road is to be laid, so as to enable the coal to be removed directly in seam by means of horses. The vent inself has an inclination of 1 in 5, and is six soft slate and sandstone, both easily worked. This coal is at present chiefly sold surrounding country and neighbouring towns, and fetches at the pit's mouth for 11. Ss. per ton. The specimen of this coal which came into our hands was highly citic; and it was, therefore, determined to make the experiment of three times in length, in order to avoid the inconvenience and less of heat which would have as the frequent igniting and extinction of a coal, which, though difficult to light, would once burning, take several hours to lecome extinct. In order to light the fire, but the Colesialli coals were employed, for which alfowance was of course made in a culations. It was observed during the experiments that this coal requires a strong of and that the fire requires to be well supplied with fuel, which should be previously on the dead-plate to prevent decrepitation. When these precaultons were alternated beautifully clear fire, without smoke, was obtained, which left no sood in the flue fire took seven hours to become extinguished at the close of the supriment.

WALLYS END EGIN COALS.—This coal is raised in the leands of Ciume a dridge, in the partial of Duniermline, in the county of Fig. at a distance of online in the shapping port. Its current price is 9a, per to an obeart. It is principally a steam navigation and steam purposes in general. The seam from which it is an is 4 ft. in thickness, and is generally very require, with an average dip of in 7 the north. The subjector and overlying strate consist of alternate layers of an and coal-date. This coal is a present extracted at this depth of 100 fins, said is decreally res

has, however, the disselvantage of giving off considerable quantities of a greyish smoke excling the whole time of its burning.

DALKEITH OORONATION SEAM—DALKEITH JEWEL SEAM.—The experiments in these two coals were repeated, from the circumstance of their having been tried in the instinstance when the brickwork of the boiler was still damp, which circumstance must eccessarily have interfered with the results obtained. During our experiments it was beserved of both these coals, that they are lighted easily and burn freely without the protection of much sancks. They also required little stoking, and left but an inconsiderable santily of incombustible matter.

The matt, or regulus, produced, as described in our last week's Journal, is submitted to six successive roastings, in spaces surrounded by three walls. The length of these walls is 6 feet, the breadth 3 feet, and the hearth is very much inclined towards the open side. On this is placed a bad of wood, as a base, and then alternate layers of matt and charcoal. The whole is covered with powdered charcoal, which, as it burns, is replaced by the fragments of half-roasted regulus, which fall from the bortom of the heap. At each charge are roasted about 50 cwts. of regulus, and the six roastings, all performed in the same manner, last about 51 days. In these successive roastings, a small quantity of sulphate of copper is shways formed, which is extracted by washing, and the liquid so obtained is evaporated in leaden vessels, to the point of crystallisation. When the rogulus has undergone a complete desulphurisation—which is, however, very rare—it is transformed into deep red, very magnetic lamellar masses, containing, according to Berthier, protoxide of copper, 72°0; deutoxide of iron, 13°4; earthy matters, 13°5—59°6.

The regulus thus prepared undergoes a new fusion in a slag hearth, having mixed with the small quantity of sulphus ween.

ever, very rare—it is transformed into deep red, very magnetic lamellar masses, containing, secording to Berthier, protoxide of copper, 72°0; deutoxide of iron, 13°8; earthy maters, 13°8—39°6.

The regulus thus prepared undergoes a new fusion in a slag hearth, having mixed with it about a fourth of its weight of poor slag; 100 parts of regulus give from 30°to 40 parts of black copper. Besides this, about 16 parts of poor mat are obtained (this occurs from the small quantity of sulphur remaining after the reasting of the first regulus), and a slag, which is fused with a new portion of roasted schist.

The fellowing is the composition of the slag;—Silica, 33°s; lime, 5°0; protoxide of expper, 3°0; protoxide of iron, 51°3—38°7; these slags are compact, black, and magnetic. The regulus, which swims on the bath of black copper, is in thin plates, of a semi-metalic blackness, has a crystalline fracture, and is mixed with a very considerable quantity of small grains of red copper. The following is its analysis:—Sulphuret of iron, 28°2; metallic copper, 8°0—38°2. The above substance is re-roasted with a fresh quantity of regulus. As to the principal product, the black copper, it has a dull red appearance, acts sensibly on the magnet, and is constituted thus:—Iron, 3°5; sulphur, 0°6; silver, 0°49; copper, 9°45—30°0.

M. Serthier, to whom the above analysis is due, could not detect the slightest trace of cobalt or nickel. It is the black copper thus obtained that is further treated for silver. The method which is employed at Mansfeld entails the use of lead, whereby silver-lead is produced, and the silver separated by curellation, as already described. We shall examine this mode of treatment, with some degree of minuteness. The information necessary for the elucidation of this important process has been collared from the memoir of M. Manses, of the Hastadt Mills (Asnalus des Mines, vol. ix.), and from that of M. Karsten, of the Neustrale parts of the produced in operation. We shall extend the memoir of the solution of th

bblaimed.

4. Cupellation of the silver-lead, in which, as already explained, the lead oxidises, and passes off as litherge, whilst silver remains on the cupel.

5. Refining the silver produced in last operation.

6. Treating ("sweating") the copper residues of No. 3, in order to separate the last operation.

7. Refining the pigs (ingots) of copper obtained in 6: in this operation fine copper and a size result.

a siag result.

8. Fusion of the slags and dross: in this operation the substances treated are part of the slags of No. 2 and of No. 3—litharge, cupel bottoms, and, lastly, all the metallic waste of the mill. By this fusion we obtain poor metal for liquation (No. 3), which ilquated, furnishes a silver-lead, which may be employed in operation 2; and rich slags, which are refused four times, with the production of a very poor slag, which is rejected as worthless.

waste of the mill. By this fusion we obtain poor metal for liquation (No. 3), which ilquated, furnishes a silver-lead, which may be employed in operation 2; and rich slags,
which are refused four times, with the production of a very poor slag, which is rejected
as worthless.

9, and lastly. The fusion of the dross produced in the refining operation, which furnishes
copper, to be treated as No. 6 and 7.

The division of the masses of bisck copper is thus effected: sharp-pointed stampers are
first used—these separate into fragments, the more brittle portion, those parts which
whistand this treatment, are heated and broken up on an anvil by hammers. This accomplished, the maion with lead is thus performed:—Sometimes this takes place in a slaghearth—sometimes in a reverberatory furnace. In the slag-hearth, the necessary quantity of copper to form one ilquation, block, or pig, is heated to redness; when it begins to
fuso, lead is added, and soon after the quantity of copper for another block. Although
no flux is added during the fusion, a small quantity of slag is formed, doubtless, from the
sides of the furnace—the ash of the fuel employed, and some of the metal oxidised during
the operation. The mean composition of the slag is as follows:—Oxide of lead, 63-2;
protoxide of copper, 51; protoxide of Iron, 6-8; a laumina, 4.7; silica, 20:1=39-9. Nearly
all the bases exist as bl-allicates.

When the operation is performed in a reverberatory furnace, a quantity of copper,
proportioned to its size, is first fused, then the necessary quantity of lead is added. The
latter metal immediately enters into fusion; yet its in necessary to strongly heat the alloy
for some time, to reduce it to a very liquid state; it must also be continuously stirred in
every direction, to render it perfectly homogeneous. One operation produces from 8 to
it it quantion ingots, according to list size. The lagots are run into the form of circular
dies, 24 to 26 inches in diameter, and 3 to 34 inness tiles. They weight from 3 to 35
cwits. ea

seven samples, taken at as many different times, during the course of the operation:

1. 2. 3. 4. 5. 6. 7.

Lead. 97.8 97.9 97.3 97.6 97.2 97.2 97.8 97.3 97.6

Copper 29 21 27 27 24 98 29 27 27

They all contained from 5 12 ozs. of silver per 100 lbs. to 5 4 ozs., in the same quantity. The same chemist has proved, that the infusible alloy, at the heat of liquation, presents also a tolerably constant composition: he analysed samples collected, at five different

herally lose about a flaird of their weight during the whole special in the picon, smeated in one operation—
in the picon, smeated in one operation—
S37 834 366 273 194
Lead 263 273 194
He also submitted to analysis sight samples of the axidised alloy, collected during the passes of the three last periods of the sweating, and found them constituted as follows:—

ï	2d PERIOD.				ECV.	3d PERIOD.					4th PERIOD.				
Į.	A CONTRACTOR OF THE PARTY OF TH	1.	100	3.		3.		1.		2.	1.		2.		3.
	Oxide of lead 84														
	Protoxide of copper 4														
ŧ	Ditto of iron 0	F4		0.5		0.2		0.4		0.3	0.3		0.9		0.3
ı	Alumina	-1		1.7		1-8		1.3		1.0	19		1.8		1.8
ı	Silica 10	22		114		13.3		13-5		9.5	13.0		12.5		13.3
ı	100	2.0	m	100-0		100.0		100.0		100-0	100.0		100-0		

_	1	00.0		100-0		100.0	0.001	
	Silica	55.3	** ** **	24.9	*****	21.4	 23.9	
	Alumina							
	Ditto of iron							
	Protexide of copper							
_	Oxide of lead							
ug	constitution:							

These are very close approximations to bisilicates. The copies of the oxide of lead, and the like increase of the oxide of copper. The copper thus refined, contains about half per cent. of lead, a observed, at the commencement of this day's article, the argentiferous scopper might be treated by amalgamation. This method requires complicated and numerous operations, which it will suffice to analyse. The argentiferous copper is roasted many times at first in the sir, then in reverberatory-furnaces; salt and chalk are then added, and it is roasted aftesh. The amalgamation is then proceeded with, as we have already described, in another article in this series. The amalgamatior residues are fused for black copper, which is refined as usual.—[In our next week's Journal, we shall commence the treatment of gold ores.]

PATENT LAW REFORM.

As we have received several communications relative to the petition to Parliament, now being got up by Mr. Campin, praying for reform in our system of Patent Law, we are induced to publish a copy of it-more especially as the originator courts suggestions from patentees and others as to any points of importance which he may have left untouched:—

pecially as the originator courts suggestions from patonices and others as to any points of importance which he may have left untouched:—

To the Monourable the Commons of the United Kingdom of Great Biltain and Ireland in Parlament assembled.

The humble petition of Frederick William Campin, of 210, Strand, in the county of Middlesex, patient agent, and the undersigned engineers, builders, manufactures, tradesimen, and others, being inventors, or parties otherwise interested in the Patent and Designs Laws of this realm,
Sheweth,—That your petitioners would humbly represent to your honourable House, that the law and practice, in regard to agraving patents for inventions, and the law and practice, in regard to agraving patents for inventions, and the law and practice, in regard to registering designs, with regard to the securing the property in their new improvements. That these hardships are so manifest and apparent, that the system now existing is universally objected to, by all those who are at all aware of its character, as one tending to place a drag upon the commercial progress, of the heavy dues to be paid for letters patent, in such a way as to prevent, in very many cases, their bringing to the aid of our manufactures and commerce the valuable improvements which have resulted an amongst us of vast numbers of foreign invocates as a preventive to continental neighbours in quiet possession of all the resulting benefits.

That your petitioners consider the principal evils, inter alia, of the present system, and those to which they pray the serious attention of your honourable House to be—

1. The heavy amount of fees required to be paid before an inventor can have actual protection for his invention, amounting, with the necessary specifications, to between such application, which often causes much confusion, and leaves a patentee opis during the period, which must, under the present paratice, of accessity occur between such application, which often causes much confusion, and leaves a patentee opis during the

6. That the patent records.
list of patents be kept for reference

hat of patents be kept for reference.—And your petitioners will ever pray, &c.

ARTIFICIAL PRODUCTION OF PRECIOUS STONES.—The process adopted by the author is, in reality, a crystallisation of the compound from a fused solution of their constituents in boracic acid, the acid being evaporated by heat. Alumina and magnesia, in proportion to form spinel, were mixed with fused boracic acid, and I por cent. bichromate of potash. Exposed on platina foil to the highest temperature of the porcelain furnaces of Sevres, a product was obtained, the surface and interior cavities of which were covered with crystalline facets, having the form of the regular octahedron, rose-red, transparent, and readily-scratching quartz. They were completely infusible by the blow-pipe, and there can be no doubt of their identity with spinel. A substitution of protoxide of manganese produced large lamins, having the form of equilatoral triangles, or regular hexagons. These were apparently manganesian spinel, which has hever yet been found in the mineral kingdom. Oxide of cobalt, substituted for magnesia, gave blue-black, regular, octahedrons. Alumina and glucina, in proportions to form chrysoberyl, gave a mass, with a crystalline surface of great spicadour, and secatching quartz, and even topas. The hardness was, therefore, that of natural chrysoberyl. Silicates, infusible in furnaces, can be formed by the same process. The constituents of emerald gave a substance which readily scratched quartz, and had the furm of the regular hexagon.—M. Enternal: Compless Rendus.

METALLIC ALLOYS-IMPROVEMENTS IN DYEING.

eation of patent granted to Mr. Robert Oxland, of Plymouth, chemist, for im-ts in dyeing; certain parts of which improvements are applicable to the manu-metallic alloys. J. Neston's London Journal.

The improvements in dyeing, which form the principal portion of this invention, consist in preparing and applying tungstate of soda as a substitute for the various preparations of tin usually employed as mordants in dyeing. The tungstate of soda may be used alone, or in combination

invention, consist in preparing and applying tungstate of soda as a substitute for the various preparations of tin usually employed as mordants in dyeing. The tungstate of soda may be used alone, or in combination with various acids; in the latter case, it should be first dissolved in a larger quantity of water than is merely necessary for its solution (say, 1 oz. of the tungstate in a quart of water); and then the acid may be added until all the alkali is saturated, and a small quantity of acid remains in excess. Wool, either in the skein or piece, may be dyed by first boiling it in a solution, made in the manner above described, with nitro-muriatic acid, and subsequently in the dye-bath; or the solution may be mixed with the dye, and the cloth boiled therein, without any other previous preparation than the usual cleanaing process: by such treatment, with logwood as the dye, a violet colour will be produced, passing into a claret, and finally, if the boiling be continued, changing to a black.

In manufacturing the tungstate of soda, the patentee employs wolfram (the native tungstate of iron and manganese); or, when native tungstic acid can be obtained, it may be substituted for the wolfram, and treated in the same manner. The wolfram is either found alone or associated with tin ores. When the sin ores are employed, the ore is to be first dressed in the usual manner, until ready for smelting; then, after the ore has been dried, common alkali, or soda-ash, is to be mixed with it, in the proportion of the chemical equivalent of the tungstic acid contained in the wolfram mixed with the ore; that is to say, suppose the ore to contain 20 per cent. of wolfram, then every hundred parts of such ore will contain 15 parts of tungstic acid, the chemical equivalent of soda for which will be 3½ parts; and, if a soda-ash, containing 50 per cent. of alkali, be employed, the quantity of soda-ash required will be 7 parts. When the ore and soda-ash have been mixed, the furnace, hereafter described, is charged therewith. Sulphate

Fig. 2. Fig. 1.

The furnace employed in effecting the above-mentioned calcination is shown in the annexed cuts; fig. 1, is a longitudinal section; fig. 2, a transverse section; and fig. 3, a horizontal section of the same. a is a plate of iron, which is cast in two pieces, and forms the sole of the furnace; it is 9 ft. long, 6 ft. broad at the widest part, and 1 in thick; the flame and heated gases from the fire-place, b, pass over it, and then circulate beneath it, before entering the chimney, c, as will be understood on examining the third the chimney, c, as will be understood on examining the third the sole-plate (which is kept closed, during the calcination, by an iron-plate, c), into the arched receptacle, f, below. According as the ore is coarsely or finely ground, the charges will vary from 6 to 10 cwts. of ore, with its complement of alkali; and if the furnace be kept at a red-heat, and the charge is well managed, eight charges may be drawn in 24 hours.

The improvements in the manufacture of metallic alloys, referred to in the title of this patent, are stated to consist in preparing metallic tungsten for the manufacture of its various alloys with other metals. Under this head, two methods of obtaining tungsten from tungstate of soda are described. The first method consists in digesting tungstate of soda in cold muriatic acid, removing the solution obtained, and adding successive portions of the acid until the whole of the tungstate of soda is decomposed; the tungstic acid remaining is washed with cold water, to remove any adhering saline matters, and then dried on brick or earthenware; after which, it is reduced in the metallic form, by mixing it with a coarse oil or tar, or with charcoal or coal in fine powder, putting the mixture in a crucible lined with charcoal, or coal, in fine powder, and exposing the mixture, for about an hour, to a strong red heat, in a crucible lined with charcoal; by this means the tungstic acid will be reduced to the metallic form; and the soda, originally combined with it, will be converte

IMPROVED MACHINE FOR ROLLING IRON.—Mr. Benjumin Norton, of Boonton, New Jersey, U.S., has recently obtained a patent for an improvement in the machine for rolling iron. In describing his invention, the patentee says—"In rolling the billets of iron that are to be converted into boop-iron, or into scroll, band, or other iron of a like character, the apparatus used, as ordinarily constructed, consists of three rollers, the axes of which are in the same vertical plane. The billet is passed through a groove in the lowermost pair, and is returned through a groove in the househ as groups in the groups and the groups in the groups are groups in the groups. constructed, consists of three rollers, the axes of which are in the same vertical plane. The billet is passed through a groove in the lowermost pair, and is returned through a groove in the uppermost pair, by which it is prepared to be passed through the smooth or finishing rollers. In my improved apparatus I use but two rollers, in which the billet is first passed in the usual way; as it passes from between these rollers on the rear side, it enters a curved trough, which I call a receiver, and this trough conducts it round the rear side of the upper roller towards the workman in front, who passes it into the groove in the first instance, and who then passes it into a second groove, formed in the same rollers;" by which arrangement much time and friction are saved, and other obvious advantages obtained. The patentee claims the combination of the covered trough, or receiver, with a pair of rollers, for the purpose of conveying the strand to the front of the rollers, in combination with the employment of the second groove, or grooves, in the lower roller, and thereby admitting of the widening out of the collars.

SLAUGHTER'S LOCOMOTIVES.—In the Mining Journal of Feb. 5, we gave the particulars of some improvements in the locomotive engine, recently patented by Mr. Slaughter, of the Avonside Iron-Works, Bristol. "An Engineer," writing to the Bailwey Record, last week, any. "The method adopted of attaching the driving-wheels on the crank arms is decidedly an improvement on inside cylinder engines, as it enables the boler to be placed neares the crank axis. I am not aware, however, that Mr. Slaughter can claim this as his improvement—the plan having been adopted in the United States above two years since."

Mr.

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Original Correspondence.

ELBE COPPER WORKS.

Str.—During a recent tour in Germany, business obliged me to visit the city of Hamburg. On my arrival there, I heard that works for the ting of copper ore on the English principle were established in the

Sin,—During a recent tour in Germany, business obliged me to visit the city of Hamburg. On my arrival there, I heard that works for the smelting of copper ore on the English principle were established in the vicinity of that city. Although I have been for years connected with the copper trade, I was totally unconscious of the existence of this establishment; and, as I am perfectly aware it is comparatively unknown in England, I presume, at this period, when changes are centemplated in the daties on foreign copper ores, a brief description of the Elbe Works will not be uninteresting to your numerous readers interested in this trade.

These works are situated by the banks of the Elbe, on a small island, called Stoenverder, nider the dominion of the republic of Hamburg; they are about 120 ft. long by 40 broad, and contain three ore furnaces, which smelt about 150 tons of ore per week, a metal furnace, and a rosater, of the usual dimensions, together with a refinery, capable of turning out 4 tons of cake copper every charge. The smelting-house, coal-sheds, ore and copper warehouses, are on a site of about three acres of land, which is inclosed by a high wooden fence—strangers being rigorously excluded.

The vessels lay off the works, and the ore and coals are conveyed about 100 yards, up a small creek, in lighters, from whence they are drawn by a tram-wargon up an inclined plane, and deposited in their several warehouses—this is worked by a small steam-engine of about 8-horse power. The coals, which are Newcastle and Sunderland mixed, are delivered in the works at the cost of about 18s. per ton. The sand, which is used for the bottoms of the furnaces, is taken from the Elbe; it is equally as good as that used at Swansea, and is obtained at a very trifling expense. The fire-bricks are purchased from Newcastle, and cost about 31.7s. to 31. los. per 1000, and have been found to be a good and serviceable article; very little clay is used in repairing the sides of the furnaces, the proprietors having discovered the Elbe

LEATHER-THE CUPEL-COPPER, &c.

Sir, -I am no tanner, and have neither "part nor lot" in the matter. Mr. Snyder may remain at perfect ease as to his patent; and its merit I never doubted, and, therefore, did not question. Incidentally, and with-

merer deubted, and, therefore, did not question. Incidentally, and withness and reference to the distinct and peculiar principles eliminated in his patent for tanning, I made the cursory remark. As to the "blooming," an eminent tanner, in Huntingdonshire, requested my opinion on the question—(an occurrence of 25 years bye-gone.) I was then a stranger to the phenomenon, and undertook a series of experiments, which cost me, I remember, 101 tos. nearly; and, though I accomplished the purpose, the generous tanner never offered me a farthing of remuneration, and I scorned to present an account of my expenses.

I notice the process of assay treated of in your columns. Allow me to state, that the assayer is not aware—at least generally—that the cupel will be found to have absorbed a portion of the precious metal; for, when I have crushed the cupel, I have found small portions of silver among the fragments. In the refinement of gold and silver by assay, this fact should not be overlooked in the estimate.

Nothing, as I have elsewhere said (Communications, p. 17), can be more dangerous than the use of COPPER wire-guaze in Davy's safety-lamp; and, therefore, copper should form no part of the lamp cylinder, because copper is acted upon by hydro-carbonate; and the green flame of inflamed "fire-damp," in contact with copper wire-gauze, affords sufficient proof of the action. I have ascribed many of the dangers resulting from explosions by the Davy to the indiscriminate use of copper and iron wire-gauze lamps. I denounced them at Wigan, where copper and iron wire-gauze lamps. I denounced them at Wigan, where copper and iron wire-gauze lamps were used indiscriminately, and where preference was given to the former, because not so susceptible as the latter of the corroding influences of the atmosphere of the fine.

Partian—"Crosse's Mite:" lege "has formed" not "found;" and "this accurs" not "the accurs."

A PROBLEM.

Suppose (P) pounds raised 1 ft. per minute, represented the power required to roll a certain cylinder over a certain uniform infexible road at a given rate. Also suppose (P++x) pounds raised 1 ft. per minute, represented the power required to roll the said cylinder at the given rate over a certain uniform substance placed equally throughout upon the said road, the said substance being crushed thereby. Question.—Would the value of the less the greater the diameter of the cylinder, or the greater the value of F, upposing that the road, substance, and rate of motion remained the same ?—Question 2. Suppose two cylinders, or sequal length and weight, one composed of lead, and the other composed of some material of less specific gravity; then would less power be required to perform the said work with the later cylinder (because of being the greatest in diameter) than with the former one? Mathamatical proof required—\$\int_0^{\text{ot}} \text{ot} = 1. The same is not structured to drag that carriage over any obstacles that the spaces are the contact, with a certain limits) with respect to the power required to drag that carriage over any obstacles that the space in a contact, with a certain limits) with respect to the power required to drag a carriage over any obstacles that the space in the substance. Alore is if the problem should be objected to, in consequence of having to consider the friction that the said substance that would be crushed by the whose thereof the explinder, while or after on that the said substance that would be caused to the surface of the cylinder, while or after being crushed; such objection may be owtaked by supposing that the cylinder rolled over moreable inclined planes, of equal inclination and dimensions, and composed of the sume material as the road itself (which, suppose for example wastron), and so contrived that their upper surfaces would become parallel to the horizon when a certain pressure was produced thereon, each so by the same pressure (the inclined planes being supposed to be ex their original position being thereby altered, and also such, that when and after their position became altered, however little, by the cylinder moving upon them, they would have no tendency to resume their former position), and cause jointly as amouth a surface, while the cylinder was passing over them, as the read lized. Then moving those inclined planes to their limit, may be supposed to represent the erashing of the said substance. Note 3. If the given cylinder exceeded a certain weight (that is, a certain weight, whose value depended upon the power required to erush the substance), it would roll indicantally over the substance because the centre of the cylinder would not in that case become vertical over any portion of the substance, until after such portion of it had become completely crashed.—J. WALTERS, JUL, Guidfould Hotel, City, April 6.

P. S.—The resistance to the motion of a carriage arising from dust, or other comparatively small matter on the rails, which crushes under the wheels, increases nearly as the square rost of the cube of the weight upon its sales. The power required to overcome such resistance, is inversely as the radius of the wheel.—Jee Tredgold's Work on Reidrodd, page 44.1—N.B. These conclusions, however, are determined by parity neglecting to consider the height of the substance crushed, the same being supposed to be insignificant when compared with the radius of the wheel.—J. W.

The Savery Fuse is America.—A specimen of Bickford and Davey's astely-fuse was lately exhibited at a meeting of the Franklin Institute, Pennsylvania. The fuse, which was manufactured by Messra Bacon and Bickford, of Sinsbury, Connecticut, was placed in a tub of water, each of the ends projecting a few inches from the surface; one of the ends being ignited, the fuse burned throughout its whole length—that portion of the outer covering remaining under water being undonsumed; while that of the two projecting ands were completely burned. From the successful result of the experiment, it was roved that the article was well adapted to the purposes intended.

Proceedings of Public Companies.

MEETINGS DURING THE ENSUING WERE.

Asturian Mining Company—offices, at Two.

Combmartin and North Devon Mining Company—at the mine, at Two
and, on the following day, at Twelve.
Idensed Victualiers and General Fire and Life Assurance Company—
offices, at Occ.

.. Marke Volley Mining Company—White Hart Hotel, Saliabury, Twelve, Imperial Gas-Light and Coke Company—offices, at One. Derbyshire, Staffordshire, and Worcestershire Railway—offices, Twelve. Derbyshire, Staffordshire, and Worcestershire Railway—offices, Twelve.

Stray Park and Camborne Vean Mines Company—at the mine, at Twelve.

St. John del Rey Mining Company—offices, at Two.

Southwark and Vauxhall Water Company—offices, at One.

ROYAL MAIL STEAM-PACKET COMPANY.

The annual general meeting of this company was held at the London Tavern, on Thursday last. ANDREW COLVILLE, Esq., in the chair.

The ammal general meeting of this company was held at the London Tavern, on Thursday last. And Rew Colvulle, Esq., in the chair.

Captain Chaptelle, R. N., read the following seport:—

The accounts of the company, for the last year, have already been transmitted to each of the shareholders. It will be observed that there has been an increase, both upon the receipts and the expanditure. As relates to the working accoust, contrasted with that of the preceding year, the directors submit the following remarks. The first liem comprehends charges for the hire of the Arab steam-vessel at Havanna; remuneration for services rendered on occasion of the wreck of the Teses, by the Spanish brig Emilio; for hire of the Spanish schooner Reye, and for charter of sundry amal vessels at Bermuda and St. Thomas, to convey the mails to their respective destinations. The charges for cost, freight, and other expenses for coal, as well as those for wages, port charges, and pilotage, coal sacks, and office and law expenses, although with an augmented business, are, in the aggregate, 624. 5s. 6d. less in 1847 than in the proceding year. The increase upon provisions, stores, general service and stailone, salaries and repairs, having been explained in the report made to the proprietors in October last, it is unnecessary to refer father to those items upon the present occasion. On the credit side of this account, there is a decrease in the homeward freight, grising (as explained in October last) from diminished shipment of specia in Mexico, and there is less receipt from inter-colonial and homeward passage-money, which is also clefty to be attributed to the hostilities in that country. The fotal receipts, however, from freight and passage money in 1847, exceed those of the previous year by 3845. 9s. 6d. By the profit and loss account it will be seen that, from the profits of 1846, a sum of 56,594. 15s. 11d. has been carried to the reserve fund, making a total to the credit of that account in 1847, after charging the dividend declared in Oc

company, recommend that a variance of the caport, in doing which he said that everything was going on satisfactorily.—The report was adopted.

Mr. Ripowax contended, that an additional dividend of 5s. per share ought to be made on this occasion; as the company's finances would warrant it.

The Chairman said, the directors had gone to the greatest extent possible in fixing the dividend, so as to be just to the proprietors. They must recollect, that the contract might have an end; and, therefore, they were anxious that the vessels and the finances of the company should bein as good a condition at that time, as before it was entered into.

The dividend was agreed to; and a vote of thanks having been passed to the obtainman and directors, the meeting separated.

X INDIA AND LONDON LIFE ASSURANCE COMPANY.

A general meeting of this company was held at the offices, Waterloo-place, on Monday last.—The General in the chair.—The Charmann, in opening the business, explained, that that meeting was held by adjournment from the previous year, in consequence of a sufficient number of proprietors not having been present to constitute a meeting, in accordance with the Deed of Settlement.—Mr. IRVINS (the manager) read the auditors' report of the affairs of the company from its commencement, on the 25th of April, 1846, to the 28th of Feb., 1847, which was approved.—The general meeting for the last year was then held, and the auditor's report for the last have the last year was read and approved. It appeared from these statements, that 188 policies had been effected, saving 121,0772, producing premiums to the amountof 78021.2s. 104.
—The Charmans stated that, in addition to the European business, agencies had been appointed in India, at Calcutta, Bombay, Madras, and Ceylon; and that the progress of the company generally had been most satisfactory—particularly so, when they remembered the state of commercial distress which had existed, both in this company with the Great Britain Mutual Life Assurance Society, by which arrangement the business of the two offices was conducted to the union of this company with the Great Britain Mutual Life Assurance Society, by which arrangement the business of the two offices was conducted to the amenage and auditors, and servents, and under one roof—thus effecting a considerable saving in the annual expenditure of both; whilst the accounts and funds of the two offices were kept quite separate and distinct from each other.—Several shareholders having expressed their approbation of the manner in which the business of the company is conducted, thanks were vosed to the chairman, directors, and auditors, and the meeting separated,

PROGRESS OF CONTINENTAL RAILWAYS.

It would appear, by some statistics recently published in France, that the progress of railway works throughout the continent, especially in the German states, has been more extensive than is perhaps supposed. After Germany follows France, then Holland, Belgium, Poland, and Italy. Russis stands lew in the scale—even Hungary and Denmark, according to this statement, showing a master learth of sullway accomplished that the statement is supposed. greater length of railway accomplished than at present exists within the terri-

Placing these statistics in the order given by the compiler, it seems that France, at the close of the year 1846, maintained in active operation 1017 miles of railway, which, with the addition of works completed and opened for public use in the course of the following year, constituted at the end of that period, a total length of railway, equal to about 1895 miles. At the end of that year 1846, Germany possessed about 3996 miles of railway, completed and in operation, and in the course of the following year 795 miles additional were opened; so that at the close of 1847, the total extent of railway in that country amounted to 3891 miles.

operation, and in the course of the following year 795 miles additional were opened; so that at the close of 1847, the total extent of railway in that country amounted to 3891 miles.

Belgium, in December, 1846, possessed 466 miles of railway, and in 1847 the completed quantity of new undertakings was 90 miles—making a length of railway in active operation at the end of the last-mentioned year, of 546 miles. The length of railway opened in Holland at the close of 1846 was 168 miles; in 1847 only 15 additional were completed, so that at the close of that year about 183 miles of railway were altogether in operation.

Denmark, at the end of 1847, possessed 188 miles of railway in active operation. Switzerland figures for a small extent of railway; in 1846 not more than three miles of line was completed; this was increased in 1847 by the opening of about 15 miles of the Zurich and Basle Railway, making the total about 18 miles, in 1846 about 159 miles and, up to that date, been opened. Hungary possessed, at the commencement of the present year, 165 miles of railway in active work; at the close of 1846 about half that extent had been completed. It is stated that Russia, in 1846, had only 20 miles of railway carried out; in 1847 this amount was increased to 51 miles. In the kingdom of Poland 159 miles of railway were completed—making the total length 213 miles.

extent of 54 miles was accomplished—making the total length 213 miles.

The Works on the Chester and Holyhead Rahway.—This line is rapidly approaching completion. Last week a party of directors, accompanied by the principal officers of the company, proceeded from Chester to Holyhead, for the purpose of inspecting the line from end to end, in order to determine the period when it may be opened throughout. With the exception of the passage of the Conway and the Menai Straits, the whole distance was traversed by the railway. The trip from Chester to Conway, 45 miles, was performed, including one stoppage of 4 m. in 1 h. 17 m. All the preparations for raising the Conway Bridge are now completed, and operations were commenced on Tuesday, which, it is expected, will be completed by the end of the week, so as to allow of the trains continuing their journey to Bangor. Between Conway and Bangor everything is ready for opening. The Britannia Bridge, across the Menai Straits, is in active progress, both as respects the masonry and the tubes. The pier on the Britannia Rock, upon which the completion depends, is now about 55 ft. above high-water mark, leaving 50 ft. still to be added, to complete it to the tube level. More than half the iron-work of the tubes is finished. From the Menai Straits to Holyhead (22 miles), was traversed by the locomotive engine and train in 55 m. The line is in excellent order, and presents almost a singular instance of a contract of that extent being delivered over by the contractor to the company in a finished state on the very day fixed by the contractor to the company in a finished state on the very day fixed by the contractor to the company in a finished state on the very day fixed by the contractor to the company in a finished state on the very day fixed by the contractor to the company in a finished state on the very day fixed by the contractor to the company in a finished state on the very day fixed by the contractor to the company in a finished state on the very day fixed by the contrac

Bridge, the traine will be conveyed by the content and pension bridge, a distance of about 3½ miles.

Dublin and Cashel Rahway.—A paragraph having been published, stating that part of this line (the Great Southern and Western) had aubsided, where it passes over a deep bog, or morass, Sir John Macnelll, engineer to the company, has written to the Times, stating that, "As this statement, so circumstantially given, is devoid of the least portion of truth, and, no doubt, instituted for stock-jobbing purposes, I am sure you will not hesitate to contradict it. In the forming of the line some difficulty presented itself—as much from the great quantity of rain, which fell during the autuan and winter months, as from any other cause. There were no piles driven, nor any lives lost, as stated in the paragraph in question. The rails have been laid on a timber raft, or platform, which was completed in 8 or 10 days. The line was inspected and opened early last mouth, and the trains have run with the most perfect regularity every day since."

PARIS AND STRASBURG RAILWAY.—The works on this line, which were commenced two years ago, have not been interrupted during the recent events in France. The Minister of Public Works has given orders to proceed with all possible rapidity with the section between Paris and Epernay. The bridges and tunnels are almost finished, and the other operations are completed over a space of five kilometres. As by degrees the earthworks are finished, the company on its part is laying down the rails. All the contracts have been made. The rails, chairs, sleepers, &c., are from day to day brought on the line, and the rolling material—engines, carriages, waggons, &c.—will be ready in a few months. By the combined efforts of the Government and the company, this eastern line, which will run to the frontier of Germany, may be open to public traffic from Paris to Epernay, a distance of 440 kilometres. The financial resources at the disposal of the concessionary com pany, together with the caution money which becomes available as, by degrees; the works advance, will enable the company to continue without making a call on the proprietors. The works for the branch from Fronard to the Prussian frontier, which are exclusively at the charge of the company, are in the course of execution; and, at the argent request of the Mayor of Matz and the Government commissioner, the company has just authorised the employment of another gang of labourers, previously out of work.

ENGLISH RAILWAY MECHANICS EXPELLED FROM FRANCE.—A meeting of

control of the manner in which the businessed the company are in the course of execution; and, the argument of the manner in which the businessed the company is conducted, thank the reversed to the chairman, effectors, and admitted may be a conducted, thank the reversed to the chairman, effectors, and the meeting superment of the manner in which the businessed the company is conducted, thank the reversed to the chairman, effectors, and admitted may be a conducted, thank the reversed to the chairman effectors, and admitted may be a conducted to the control of the control

ANTIMONY AND SILVER-LEAD MINING AND SMELTING COMPANY.

Applications for shares to be made to Mr. R. Tripp, Fore-street, Exeter; Messars, W. King and Co., Newsastle-upon-Tyne; and Mr. Bartlett, 88, Lombard-street, London.

CALEDONIAN RAILWAY COMPANY—LOANS ON DEBENTURES.—TENDERS OF LOANS ON DEBENTURE BONDS are now RECEIVED in same of not less than £500, for any number of years not exceeding five. Interect to be at the rate of 5 per cent, per sanuum, payable half-yearly, in London, Edinburgh, Glasgow, or in any country bank.

Tunders to be addressed to this office, giving fall name and address of lender.—Parignay also communicate with Mesars. Foster and Braithwaite, 68, Old Broad-street, London. By order.

Caledonian Railway Office, Edinburgh, Feb. 25, 1848.

STEAM TO INDIA AND CHINA, VIA EGYPT.—Regular MONTHLY MAIL (**seam conveyance) for PASSENGERS and LIGHT GOODS to CEYLON, MADRAS, CALCUTTA, PENANG, SINGAPORE, and HONG-KONG. BOOK PASSENGERS and RECEIVE GOODS and PARCELS for the ABOVE PORTS
by their steamers—starting from Southampton on the 20th; and from Suce on or about
his 16th of every month.

Hor rates of passage-money, plans of the steamers, and to secure passages, apply at the
ourpsay's offices, No. 122, Leadenhall-street, London.

AMBERT'S PATENT FLEXIBLE DIAPHRAGM WATER VALVES, or TAPS.—A certain PREVENTATIVE Of LEAKAGE, suing the use of the metal plag-tap, which is so continually out of order. They are urable, less expensive, and being nearly frictionless, are opened and closed the ease. They have been tested under various pressures, and have given the greatest dion.—MANUFACTURED ONLY by the Patentees,

DATENT FLEXIBLE INDIA-RUBBER PIPES AND

TUBING, for Railway Companies, Browers, Distillers, Fire-Engines, Gas Companies, Gardening and Agricultural purposes, &c.

THE PATENT VULCANISED INDIA-RUBBER HOSE-FIPES

For made to stand hot liquor and acids, without injury—do not become hard or stiff in says temperature (but are always perfectly flexible); and as they require no Aprencation of oil or dressing, are particularly well adapted for Fire Engines, Pumps, Gas, Beer-Engines, Gardene, and all purposes where a particular Plexible Pipe is required.

Made all sizes, from 1-inch bore upwards, and of any length to order.

Fulcanised India Rubber Garden Hose, fitted with brass-taps, Copper branch and Rose's Complete, ready to be statehed to pumps, water-butts, or cisterns.

Sole manufacturer,
Goawell Mews, Goswell-road, London.

N.B.—Vulcanised India-Rubber Washers, of all sizes, for joints of hot-water and standpipes, and Vulcanised Sheet, Rubber, any thickness, for all kinds of joints, and other purposes.

A DCOCK'S PATENT SPRAY PUMP.—This important INVENTION having been PERFECTED, and brought into SUCCESSFUL PRACTICAL OPERATION, the PATENTEE is ready to RECEIVE, and to execute, ORDERS.—Apply to Henry Adock, G.E., at his offices, No. 2, Moorgato-street, London, where pamphilots, descriptive of the invention, may be had; at the office of the Mining Journal, 26, Fleet-street; and through any respectable bookseller—price 6d.

MPORTANT TO RAILWAY AND STEAM NAVIGATION COMPANIES, MANUFACTURERS, AND ENGINEERS.

COMPANIES, MANUFACTURERS, AND ENGINEERS.

W. BROTHERTON AND CO.'S

PATENT LUBRICATING FLUID (or Animal Oil) FOR ALL DESCRIPTIONS

OF MACHINERY.

W. B. & CO. have the pleasure to state, that the above article is extensively used in her Majesty's Steam Navy, and by several of the principal Steam Navigation and Railway Gompanies, and is pronounced by thom, and by the first practical engineers of the day to be far better adapted for the purposes of labrication than any other article in the true of for such purposes. The Patent Lubricating Fluid is equally applicable for the most intricade and fine pieces of machinery, as for the heaviest bearings of the steam-engine. It is cheaper, much more economical, and cleasure than oils at present in use; is free from smell, and calculated to effect a wast awing in the expenditure of working steam powers Further particulars can be had, and testimonials seen, by application to the manufacturers,

W. BROTHERTON & CO., Hungerford Wharf, Strand, London.

R.B.—The above article will burn in lamps, and give a light equal to the best sperm oil.

IMPROVEMENT IN RAILWAY SLEEPERS.—Mr. F. Busse, of Leipsic, secretary of the Leipsic and Drasdan Railway, has laid before the directors of English sailways his new invention to construct sleepers for railways from a certain compound, cast around a wooden frame, which he calls terresin. Mr. Busse disadiants to take out a patent for his invention, hoping it will soon come into general use in England, in which case he is fully convened that the boards of directors and the engineers will by far prefer to deal with an invention which is laid before them with an open spirit of confidence in the well-known bonour of English sentiasens, rather than to quarest about licences. Mr. Buss, therefore, offers fall scope to all boards of directors and engineers in employing the said sleeper, trusting they will grant him or his assignees. Mears. Johnson, Cammell, and Co., Sheffeld, 3d. for each laid sleeper. It is a well-known fact, tdat wooden sleepers, either of pitch-pine or of seak, are the most convenient easts to lay rails upon. But, on the other hand, sleepers of word is not last long, in spite of all expensive doctoring with saits, sublimate and anti-corrowive ingredients; after all, the vast consumption of wood is a drawback felt swaresly, especially in England, where wood is scarce, and its importation from other countries is considerable. It is, therefore, unquestionably a good plan, to substitute, instead of wood, a material which is to be had in abundant quantities in England; and, by menufacturing it into sleepers, only a small fraction of that wood is wanted which is now used; and, furthermore, what is a prominent point of consideration, will be cheaper than wood—so, at least, says Mr. Busse; and the following is his description of his invention:

—"Hy sleepers are manufactured by hand, just on the spot where they are wanted. These sleepers have been tried on the Leipsic and Drawds and duration for a period of time not to be calculated; supposing only 30 years, it greatly exceeds that of wood issepers, seconding t ary of the Leipsic and Dresden Railway, has laid before the directors of English the rail or the chair is to be screwed (which is by far the better process), or nalled down, must be left free from the compound, and are only costed with the thin hot compound, without the gravel, which may be repeated after having fastened the chair, to socure the top pieces against the influence of air and water. By this contrivance we get a very cleap sleeper, as hard as stone, and extremely heavy—400 its.—without losing the elisaticity which is wanted to a certain degree; and allows, what is a matter of importance, that the rails or chairs are situated directly on wood. Here I feel obliged to remark that we have found it in Germany a good practice to support the sleepers only on the two extremilies, isaving the gravel or sand loosely underneath the middle part, an experience undoubtedly made likewise in England. It is a matter of importance that any kind of wood may be employed, and that the construction of the frame and the size of the elespers may be altered according to circumstances. The sleepers may be made much wider with a proportionate small increase of expense. The thin terresin, without gravel, can be used with great advantage to cover the surface of the wooden sleepers alroady laying, which after that preparation will last longer. In case of using the terresin for this surpose, I expect a commission of it. For every 1000 pieces thus covered; and if it is employed for covering rooth, bridges, viadures, houses, pavements, facors, &c., 2d. for the squarey yard. For those different purposes, it is advisable to add about 3 to 10 per cent. of aimst grease, tallow, train-oil, &c. For floors, pavements, &c., the same compound to used as for diseasers, without any grease. Regarding the resistance against pressure, it is also believed that elespers on the Leipsic and Dresdem Railway have undergone, without the least alteration, the pressure of the heaviest trains, with \$20-ton locomotives. This fine the pressure of the heaviest trains, with \$20-ton locomotives. This fine of the pressure of the heaviest tr

O FROFAIE TORS OF S.A. EXCENT. PARTICLES. M. REMOND, of 37, of reast Charles-street, Birmingham, is ready to TREAT, on reasonable terms, with the OWNERS of STEAM. ENGINES, for the APPLICATION of his PATENTED IMPROVEMENTS, by which a great amount of fuel is economised—while, at the same time, more power is secured. The nature and extent of these improvements (which may be adapted at a comparatively small cost to any engine) were fully explained and spoken of in the most favourable terms in the Assistance Lorentz French of the 30th of March; and they may be ascertained by a reference to Messars. Beals, of Bradturd-street, Birmingham, by whom they have been adopted with the most decided success.

BANGOR AND COYTMOR SLATE COMPANY, BANGOR,

BANGOR AND COYTMOR SLATE COMPANY, BANGOR, NORTH WALES.

Provisionally Registered sunder the Statute.

Capital \$50,000, in 5000 shares, of £10 each.—Deposit £2 per share, on complete registration.

GEORGE BURGE, Esq.

GEORGE CAPPER, Esq.

GEORGE CAPPER, Esq.

GONBULTING ENGINEER—John Taylor, Jun., Esq., F.G.S.

BANKERS—London Joint-Stock Bank.

Souterross—Messers. Frson, Curling, and Hippe.

AUDITOR—Nr. J. E. Elsy.

SECRETARS—Mr. William Nicholson.

This company is formed for the purpose of working a portion, consisting of 52 acres, of the Great Bangor Slate Bod, situate about awe miles from the port of Bangor, on the London and Holyhead road, and held under a lease, of which 21 years are unexpired.

The Coytmor estate adjoins the celebrated quarry belonging to Colonel the Hon. D. Pennant, which has been worked upwards of 70 years, and employs at the present time 2000 men, producing an estimated profit of upwards of 250,000 per annum. On the same vein or bed, to the south-west, is the quarry of Thomas Assheton Smith, Esq., employing 1500 men, and yielding an estimated profit of £50,000 per annum. These quarries were commenced by an outlay of a few thousand pounds.

The vein or bed of the Coytmor estate is the same, both in width and quality, as that of Colonel Pennant's and Mr. Assheton Smith's: this is shown by a small adjoining quarry, the Pantdraining, worked to the depth of 150 R., within 20 yards of the boundary of this company's quarry, and by shafts sunk in various parts of the set.

The Bangor and Coytmor Quarry has not yet been won'de, except upon trial, but a tunnel 9ft by 7ft. has been driven from the turrupike road, 550 yards through the slate bed, to drain the quarry, and to take off the slate from the lower level, for which a tramway is already laid down. Six years have been occupied in driving the tunnel, which now renders the erection and cost of machinery unnecessary. The tunnel was constructed by the late Mr. Giles, C.E.

The apron, or top of the quarry, consisting of ions and broken slate rock

28, Tokenhouse-yard; Mr. Jamés Lane, 78, Old Broad-street, broker; or to Mr. Nicholgon, at the office of the company, 57, Old Broad-street, Londen.

CORNWALL NEW MINING COMPANY.

Gapital £100,000, divided into 20,000 shares, of £5 each.

With power to be increased.)

To be incorporated, in pursuance of the statute of 7 and 8 Vic., cap. 110—by which the responsibility of each shareholder is limited.

Not to be Paid with the Company is completely Registered and Incorporated.

The CORNWALL NEW MINING COMPANY is ESTABLISHED to WOKK a SERGES of TIN and COPPER MINES, chiefly in the district of ST. IVES, which has hitherto afforded a largar profit on its return of overthan any other part of the county.

In pursuance of this plan, five of this description have been already selected—viz. Cleorigk Tin Mines, Trewortha Tin and Copper Mine, Bray Tin and Copper Mine, Tervarno Tin and Copper Mine, and Wheal Squire Tin and Copper Mine, with whose owners the committee have been enabled to make such advantageous arrangements, as to enable them to work one or more with even a small portion of the proposed capital.

These mines are not only known to comtain mineral ores of immense value, but the workings are already so far advanced, that the lodes ascertained and reached must produce early and large returns; asself, in addition to the above, there are others which the committee have secured on sufficient public support being obtained.

With a view of inducing the public generally to avail themselves of such a beneficial employment of their capital, the committee have been declared.

Applications for shares to be made only when a dividend shall have been declared.

Applications for shares to be made, in the usual form, at the offices of the company, 17, Essex-street, Strand; and to the following brokers and agents, of whom detailed prospectuses may be obtained:—Measra. G. and T. Irvine, Liverpool; Measra. Cardwell and Sons, Manchester; Measra. J. Scott and Son, Birmingham; Measra. Randes and Hayes, Leeds; Measra. Braces. G. and T.

Office, 17, Essex-street, Strand.

EAST BIRCH TOR MINING COMPANY,
NOW WORKING ON THE COST-BOOK SYSTEM.

In 2500 shares, at £2 per share.

Local Manages—Captain Thomas Moyle.

FURSEN—Mr. Thomas Balle, Exeter.

BANKERS—Robarts, Curtis, & Co., London; Milford, Snow, & Co., City Bank, Exeter.

Solictros—Mr. Ambrose Clare, & Sites-lane, Bucklersbury, London.

SECRITARY—Capt. William Henry Smith, R.N., i, Copthall Chambers, Throgmortonstreet, London.

The East Birch Tor Tin Mine is held by this company for an unlimited term of years,
provided four miners be kept at work on the mine, at the very low dues of 1-25th.

It is situated in the parish of North Bovey, 6 miles west of Moreton, 18 miles west of
Exeter, 12 miles north-west of Ashbarton and Newton, 14 miles east of Tavistock, and
20 north-west of Plymouth, in the county of Devon.

The mine is worked on the Cost-Book System, by which each shareholder is responsible
only for the amount of shares he holds, and whereby he is at liberty to withdraw himself at any time, and demand his portion of the value of the mine, on giving notice to the
secretary or purser to that effect.—(See Mining) Journal of the 19th of June, 1847.)

The mine contains 10 distinct lodes or voins, the richness of which has been fully
tested and ascertained, so that the employment of a moderate capital, in a comparatively short period, upwards of £100,000

worth of tin.

The shafts, water-wheels, lifts or pumps, stamps, workshops, and all necessary imple-

Brich 10r, of vicense and of the same extent, has returned to a small proprietary, ny the employment of a moderate capital, in a comparatively short period, upwards of £100,000 worth of its.

The shafts, water-wheels, lifts or pumps, stamps, workshops, and all necessary implements and materials are complete, so that no additional expenditure, in that respect will be required for extended operations: the additional outlay being comfined to sinking shafts to a greater depth, driving levels, and raising ore for market.

There is sufficient surface-water to prosecute the mine to a great depth.

Rapid fortunes are now being realised by the mining operations in the surrounding neighbourhood, and no doubt is entertained that this mine (from the facility offered by the ready and cheap transit and shipment of the ores, and the delivery of all mining materials, particularly as motals now bear so steady and remunerative a price) will be equally successful.

This mine is at present working under tribute; and, from the increase both of quantity and richness of the ore, at its present lowest level, the advantages of further deopening and laying the mine more open, are most encouraging. The public, therefore, have the opportunity of taking abares in this mine at the moment of its greatest prosperity.

A general meeting will be held every two months (ten days notice of the time and place being given), when a full report of the company's affairs will be submitted to the shareholders.

His confidently anticipated, that, by the disposal of the shares now offered to the public, the company's funds will be sufficient for future operations; at all events, it is guaranteed that no call will be made during the first 12 months, but by the expiration of which time no doubt is entertailed of complete success.

Application for the remaining shares to be made either to the Secretary; to Messrs. Blackie and Son, 3, Laurence Founties.

Inc. Bucklersbury, London.

On the 10thday of April next will be published, price 2s. 6d., a new monthly scientific Journal, to be entitled

THE MODERN PHILOSOPHER, OR THE SCIENCE JOURNAL TO be the learned to the learned world and to the thinking portion of the community, a New System of Natural Philosophy—embracing in its details the progressive development of the earth, and the primary causes of all the effects manifested in the phenomena of the universe—Secondry, to open a medium of communication to professors in the several branches of cainen—to place on record facts of observation and discovery—to report the proceedings of scientific bodies at home and abroad—to review the theories and opinions of the day—and, finally, to farnish such general information as is expected to be found in an independent journal of science.

The Journal will be so arranged as to admit of the above-named work being separated from the above "Mike-diantes." Hinstratious will occasionally be given. After the first few numbers, necessarily devoted to the development of the new system, a prolonged series of interesting chapters will be given on the Natural History of Organic and Inorganic Bodies—the writer drawing largely from observation, exclending over a period of 30 years, and demonstrating, by many singular and original lacts, the truth of his becomical views.

Published at the office, 13, Wellington-street North, where all orders and communications, addressed to the Editor, will be received.

VOTICE TO ADVERTISERS.—The NUMBER of STAMPS issued by the authorities of the Stamp-office, during 1847, to the DAILY NEWS, was.

This, we believe, is within eight per cent. of the number issued to the Meening Herald, Morning Chronicle, and Morning Foot, all put together. In addition to the above, issued to "DAILY NEWS," morning paper, there were issued, for the evening addition, "THE EXPRESS"

The Control of the Colds of Standard, evening paper.—The "DAILY NEWS," price Three presents, is published every morning in time the early malls—Daily News Office, Whitefriars, Ficet-street.

A NTIMONY AND SILVER-LEAD MINING AND SILVER-SILVERS, we therefore the control of the Colds have, of 25 such.

MOW AT WORK NOT THE COST-BOOK PRINCIPLE.

Applications for shares to be made to Mr. R. Tripp, Fore-street, Exector; Messars. W. Many and Company and Counter through the property of the Malls. The security of the Cost-Book of the Cost-Bo

TO ENGINEERS AND BOILER-MAKERS. AP-WELDED IRON TUBES, FOR MARINE AND

AP-WELDED IRON TUBES, FOR MARINE AND LEGGMOTIVE STEAM, GAS, AND OTHER PURPOSES,

TUBES FOR STEAM, GAS, AND OTHER PURPOSES,

ALL SORTS OF GAS PITTINGS.

THE BIRMINGHAM PATENT IRON TUBE COMPANY,

42, CAMBRIDGE-STREET, BIRMINGHAM, & SMETHWICK, STAFFORDSHIRE,

MANUFACTURE BOILER and GAS TUBES, under an exclusive Licease from Mr. B.

Prosser, the patentee. These tubes are very extensively used in the boilers of marine and
locomotive steam-engines in England and on the Continent—are stronger, lighter, chasper,
and more durable than brass or copper tubes, and are warranted not to open in the weld.

42, CAMBRIDGE-STREET, CRESCENT, BIRMINGHAM.

WORKS—SMETHWICK, STAFFORDSHIRE.

LONDON WAREHOUSE—No. 68, UPPER THAMES-STREET.

LONDON WAREHOUSE — No. 68, UPPER THAMES-STREET.

NYDER'S PATENT LEATHER COMPANY.
(Provisionally Registered, pursuant to the Act 7 and 8 Vic., cap. 110.)
Capital £60,000, in 12,000 shares, of £5 each. Deposit 10s, per share. No call to exceed 10s, per share, nor at intervals of less than three months.
Charman—John Gardner, Esq., M.D., 51, Mortimer-street, Cavendish-square.
PROVISIONAL DIRECTORS.
G. W. BLANCH, Esq., 23, Albion-place, Blackflars-road.
H. ENGLISH, Esq., 25, Fleet-street.
W. PEARSE, Esq., High-street, Exceter.
THOMAS PORTER, Esq., City-terrace, City-road.
W. SHEARMAN, Esq., 12, Green-sireet, Ardwick, Manchester.
JOSEPH SMITH, Esq., Parkfield, Rushoime, Manchester.
J. TRUSCOTT, Esq., Hemmingford Villas West, Barnsbury-park, Islington.
D. L. WILLIAMS, Esq., 6, Edwards-square, Kensington.
W. M. WILLIAMS, Esq., 17, Wilmot-street, Bransylex-square.
BANKERS—The Commercial Bank of London, Lothbury.
Solicitors E. Moss, Esq.—SecaFats—Mr. E. W. Fenton.
OPPICES—TEMPLE CHAMBERS, FLEET-STREET.

This company has been formed to carry into effect an improvement in the art of tanning, by which leather is rendered not only superior in quality, but is produced at a lower price, and more uniform in texture, than by any process hitherto known.

A patent having been granted to Mr. Snyder for his improvements in tunning, the rights of the patentee have been secured, on advantageous terms, as "iso his services in carrying out the operations of the company.

A patent having been granhed to Mr. Snyder for his improvements in tanning, me rigine of the patentee have been secured, on advantageous terms, as "lso his services in carrying out the operations of the company.

From estimates which have been carefully gone into, and which can be inspected on application at the offices of the company, a large return on the capital employed will be obtained, even to the extent of 160 per cent. per annum.

This estimate may appear to show profits as far beyond the ordinary result of trade as to call for explanation. Snyder's parent effects a saving of—1. Half the time in tanning to call for explanation. Snyder's parent effects a saving of—1. Half the time in tanning to all for each of a superior article. In this respect Snyder's Leather will compete with the best French Leather.

Frospectuaes, with every information, will be sufforded on application fo E. Moss, Esq., sollctor, 4, Queen-street, Cheapaide; or to the secretary, at the offices of the company, to whom applications for shares are to be addressed.

The directors beg to claim the attention of the public to their arrangements, which, they trust, will be found to secure the interest of subscribers, without incurring any o hose evils not unfrequently attendant upon such enterprises.

LONDON AND PROVINCIAL DETECTIVE ASSOCIATION, FOR THE PROTECTION OF TRADE.

No. 39, SOUTHAMPTON-BUILDINGS, HOLBORN, LONDON.

OFFICE HOUSE: TEN TO FORE.

The object of this institution is to furnish every information (which may be obtained by subscribers only) respecting all parties, in any capacity whatever, avoiding their creditors, under any circumstances: also, in providing every species of information calculated to protect Bankers, Merchants, Tradesmen, Companies, Institutions, Assurance Offices, Loan Societies, Auctioneers, Landlords, Tenants, &c., in such a manner hitherto unstempted by any kindred society.

Subscribers may be preserved from losses through fraud of all kinds, by previsus application at this office. They are also requested to make every communication in their power that may tend to protect the members, which will be considered strictly private, and, at the same time, deemed a favour.

Persons wishing to become members of this association, must apply, by letter only, addressed (pre-paid) to the secretary, who will forward the rules.

Subscribers only are eligible to apply for any information—the terms of which are subscribers only are eligible to apply for any information—the terms of which are all its per annum—loss, &d. in advance.

H. E. NEWMANS, Secretary.

El la per annum—16s, 8d, in advance.

H. E. NEWMAN, Secretary.

PROFESSION AL LIFE ASSURANCE COMPANY, Connecting the Clerical, Legal, Military, Naval, and Medical professions, and holding out advantages to the public not hitherto offered by any sinsilar institution.

Incorporated.—Capital £250,000.

Established upon the mixed, mutual, and proprietary principle.

Established upon the mixed, mutual, and proprietary principle.

Rates essentially moderate.—Every description of policy granted. Immediate, survivorship, and deferred annulties; and endowments to vidovas, children, and others.—Every policy (except only in cases of personation), indisputable.—The assured permitted to go to and reside in Canada, Nora Scotic, New Brunswick, Australasia, Mačelical, Cape of Good Hope, and Prince Edward's Island, without additional premium.—Medical men remunerated for their reports.—Loans granted on real or permonal security.—One tenth of the entire profits appropriated for the relief of the assured while living, and of his widow and orphans.—Annulties granted in the events of binduces, insanity, paralysis, accidents, and any other bodity or mental afficient, disabiling the parties.—Persons of every class and degree admitted to all the advantages of the corporation.—Bates for assuring £100 at the age of 20, 35, 48, and 55, respectively—mentely, £114s. 64., £25 & 61.,

NATIONAL LOAN FUND LIFE ASSURANCE SOCIETY

Capital £500,000.—Empowered by Act of Parliament.

This institution embraces important and substantial advantages with regarders and Deforred Annutides. The saured has, on all occasions, the power tow, without expense or forefuture of the policy, two-thirds of the premium table); also the option of selecting benefits, and the conversion of his interest the conveniences or executive conveniences.

DIVISION OF PROFITS.

The remarkable success and increasing prosperity of the society has ena rectors, at the last annual investigation, to declare a fourth bonus, varying 85 per cent. on the premiums paid on each policy effected on the profit scale.

EXAMPLES Sum. Prem. Year. Bonus added. Bonus in Permanentredu of Premium £0 3 4 { 1837 £217 15 1 £109 0 11 1838 192 3 0 87 1 4 1838 165 11 10 74 1 9 1840 116 7 6 54 0 10 1841 111 6 8 49 10 0

The division of profits is annual, and the next will be made in December of the preserver.

F. FERGUSON CAMROUX, Secretary

MPROVED LIFTING IMPROVED BATCHET JACKS. MANUFACTURED BY W. AND J. GALLOWAY, PATENT RIVET WORKS, MANCHESTER.

Lifting Jacks,

is respectfully requested to the superiority of those annexed, over those hitherto in uso.



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No. 26, FLEET-STREET.
In the city of London, where all Communications and Advertisements are requisited to be forwarded—addressed to "the Editor"—past-paid.

April 8, 1848.

And Post-Orrice Onbuss, Sc., must be made payable to William Salmos as acting for the proprietors.